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Catalogue
OF
VERMONT PLANTS.

Burlington H
1842

CATALOGUE

OF

VERMONT PLANTS.

BY WM. OAKES, OF IPSWICH, MASSACHUSETTS.

AS PUBLISHED IN THOMPSON'S HISTORY OF VERMONT.

Preliminary Observations.

THE State of Vermont, in the richness and beauty of its vegetation, is scarcely equalled by any of the New England States. It owes this, no doubt, to the fertility of its soil, the moisture of its climate, and its situation on the ridges and western borders of the mountains. Its ranges of mountains, stretching the whole length of the State from north to south, intercept and often exhaust the summer clouds and rains, which generally come from the west, so that the destructive droughts, which are so often felt in New Hampshire and the other New England States, are almost unknown in Vermont. The State excels in the number and variety of its Forest Trees, possessing, with the exception of eight, all the known species of New England. The following is the list of

THE NATIVE FOREST TREES OF VERMONT.

Lime Tree, or Bass Wood. *Tilia Americana*.

Wild Black Cherry. *Cerasus serotina*.

Sugar Maple. *Acer saccharinum*.

White Maple. *Acer dasycarpum*.

Red Maple. *Acer rubrum*.

White Ash. *Fraxinus acuminata*.

Red Ash. *Fraxinus pubescens*.

Black Ash. *Fraxinus sambucifolia*.

Sassafras. *Laurus Sassafras*.

Tupelo, or Sour Gum. *Nyssa multiflora*.

Red Mulberry. *Morus rubra*.

Hornbeam. *Carpinus Americana*.

Iron Wood. *Ostrya Virginica*.

White Beech. *Fagus sylvestris*.

Red Beech. *Fagus ferruginea*.

Chestnut. *Castanea vesca*, var. *Americana*.

White Oak. *Quercus alba*.

Swamp White Oak. *Quercus bicolor*.

Overcup White Oak. *Quercus macrocarpa*.

Black Oak. *Quercus tinctoria*.

Red Oak. *Quercus rubra*.

Rock Chestnut Oak. *Quercus montana*.

Scarlet Oak. *Quercus coccinea*.

Large White Birch. *Betula papyracea*.

Small White Birch. *Betula populifolia*.

Black Birch. *Betula lenta*.

Yellow Birch. *Betula excelsa*.

Balsam Poplar. *Populus balsamifera*.

Heart-leaved Balsam Poplar. *Populus canadensis*.

Cotton Poplar. *Populus Canadensis*.

Vermont Poplar. *Populus monilifera*.

Large Aspen. *Populus grandidentata*.

American Aspen. *Populus tremuloides*.

Button Wood. *Platanus occidentalis*.

Common Elm. *Ulmus Americana*.

Slippery Elm. *Ulmus fulva*.

Northern Cork Elm. *Ulmus racemosa*.

Hoop Ash, or Hackberry. *Celtis occidentalis*.

Butternut, or Oilnut. *Juglans cinerea*.

Shellbark Hickory. *Carya squamosa*.

Pignut Hickory. *Carya porcina*.

Bitter Pignut Hickory. *Carya amara*.

White Pine. *Pinus Strobus*.

Red Pine, or Norway Pine. *Pinus resinosa*.

Pitch Pine. *Pinus rigida*.

Double Spruce. *Pinus nigra*.

Single Spruce. *Pinus alba*.

Balsam Fir. *Pinus balsamea*.

Hemlock Spruce. *Pinus Canadensis*.

American Larch, or Hackmatack. *Pinus pendula*.

Arbor Vitæ, or "White Cedar." *Thuja occidentalis*.

Red Cedar. *Juniperus Virginiana*

53 species.

SMALL TREES.

VERMONT PLANTS RARE IN OTHER STATES.

Besides the above, there are several trees of small size.

Striped Maple. *Acer Pennsylvanicum*.
Mountain Maple. *Acer montanum*.
Choke Cherry. *Prunus Virginiana*.
June Berry. *Amelanchier Canadensis*.
Mountain Ash. *Sorbus Americana*.
Wild Yellow Plum, or "Canada Plum."
Prunus Americana.

And also many large shrubs, which sometimes become small trees.

The Stag's Horn Sumac. *Rhus typhina*.
The Poison Sumac, or Dogwood. *Rhus venenata*.
The Hawthorns. *Crataegus coccinea*, &c.
The Witch Hazel. *Hamamelis Virginiana*.
The High Laurel. *Kalmia latifolia*.
Several species of Willow and Alder.
Several species of *Cornus*, *Viburnum*, &c.

The Forest Trees of New England not found in Vermont are,

The Tulip Tree. *Liriodendron Tulipifera*.
Sweet Gum. *Liquidambar styraciflua*.
Black Walnut. *Juglans nigra*.
White Hickory. *Carya alba*.
White Cedar of Middle States. *Cupressus thyoides*.
Chestnut Oak. *Quercus Castanea*.
Post Oak. *Quercus obtusiloba*.
Cotton Tree. *Populus heterophylla*.

There are three species found in Vermont, and not elsewhere in N. England.

The Overcup White Oak. *Quercus macrocarpa*.
The Northern Cork Elm. *Ulmus racemosa*.
The Heart-leaved Balsam Poplar. *Populus canadensis*.

The Overcup White Oak belongs to the states of the West, and has not been found even in New York. It was found in 1829, by Dr. Robbins, in many towns on the western border of the state from St. Albans to Bennington. It is distinguished by the great size of the acorn, and the fringed border of the cup.

The Northern Cork Bark Elm was first found in the state of New York, and was described by Mr. Thomas, in Silliman's Journal, in the same year (1829) that it was found by Dr. Robbins in Bennington and Pownal. It is easily distinguished from the other New England species by the broad plates of cork on its branches.

Three fine species of Poplar, the two Balsam Poplars, and the magnificent Vermont Poplar, *Populus monilifera*, are scarcely found unless cultivated, in any other of the New England states. Neither of these three Poplars, nor the Cotton Poplar, have been found native in New York by the Botanists of that State, according to the late Report and Catalogue of Dr.

Torrey. (According to the younger Michaux, the Cotton Poplar is found native in the west of New York.)

The Vermont Poplar, and the Heart-leaved Balsam Poplar, which Dr. Robbins found wild in many parts of Vermont, were not seen native in North America by either the elder or younger Michaux, and do not appear to have been previously seen in a wild state by any Botanist in the United States.

List of VERMONT PLANTS not found in any other New England state.

Anemone Pennsylvanica,
" Hudsoniana,
Corydalis aurea,
Nasturtium natans,
Sisymbrium teres,
Draba arabisans,
Sinapis arvensis. Introduced.
Cerastium nitans,
Flörkea proserpinacoides,
Ceanothus ovalis,
Lathyrus ochroleucus,
Phaca Robbinsii,
Zizia integririma,
Symphoricarpos racemosus,
Viburnum pubescens,
Valeriana sylvatica,
Aster ptarmicoides,
Solidago humilis,
Pterospora andromedea,
Justicia Americana,
Shepherdia Canadensis,
Euphorbia platyphylla,
Quercus macrocarpa,
Populus canadensis,
" monilifera,
Ulmus racemosa,
Listera convallarioides,
Calypso bulbosa,
Trillium grandiflorum,
Zannichellia palustris,
Carex eburna,
Equisetum variegatum,
Aspidium aculeatum,
Pteris gracilis.

Besides the species in the above list, many of which are among the rarest and most interesting plants of the U. S. there, are a great number of species common in the west of Vermont, and of Massachusetts and Connecticut, which are entirely unknown in the eastern parts of New England. Among these we may mention the Ginseng, the Golden Corydalis, the curious and beautiful species of *Dielytra*, and the Spring Beauty, *Claytonia Caroliniana*, which in early spring spangles the ground in the woods with its cheerful and most delicate and brilliant blossoms.

Of the four beautiful species of *Lady's*

Slipper, only two, *Cypripedium acaule* and *aristinum*, are found in the eastern part of New England.

Four species of *Trillium* are also found in Vermont, of which one, the magnificent *Great flowered Trillium*, is found nowhere else in New England. In the eastern part of Massachusetts, no species is found except *Trillium cernuum*.

Vermont is peculiarly rich in Orchidæ. The rare and beautiful *Calypso* has been found nowhere else in the United States, and *Listera convallarioides* in no other New England state. All the species of New England are found in Vermont, except two, *Tipularia discolor* and *Orchis rotundifolia*.

Of the beautiful order of Ferns, Vermont contains two species not found elsewhere in New England, *Pteris gracilis* and *Aspidium aculeatum*, and several fine species which are wanting or rare in the east of New England, are common in Vermont. It has all the species of New England except *Lygodium palmatum* and *Woodwardia onocleoides*.

On the other hand Vermont is wanting in a great number of plants common in the south and east of New England. Of course it is destitute of all the species peculiar to the sea shore, and of all the numerous and beautiful "Weeds" of the Sea. The elegant *Tulip Tree*, common in the southwest of New England, the splendid *Rosebay*, and the fragrant *Magnolia*, are not found in Vermont. In the whole there are more than 500 New England species which it does not possess, of which we will only mention *Berberis vulgaris*, *Silene Pennsylvanica*, *Tephrosia Virginiana*, *Rhexia Virginica*, *Liatris scariosa*, *Clethra alnifolia*, *Euchroma coccinea*, *Anagallis arvensis*, *Hypoxis erecta*, *Aletris farinosa*, *Lilium superbum*, *Poa Eragrostis*, and *Baptisia tinctoria*.

The number of known phænogamous plants of New England, with the addition of the Ferns, is nearly or quite 1500, excluding a great number of nominal species generally admitted. The number of plants of Vermont of the same Orders, in the present catalogue, is 929. The whole number of species of the same orders existing within the limits of the state, is doubtless as many as 1100 or 1200, so that there is still a very ample field for the discovery of additional species. Many species, indeed, exist on the very borders of Vermont, in New Hampshire and Massachusetts, which we have no authority for inserting as natives of the state, and have not admitted into the catalogue, although we have no doubt that they are also Vermont plants.

We must not forget to mention that the vegetation of the eastern part of Vermont is greatly inferior in beauty and variety to that of the western border. The pines and firs prevail more at the east, and the species of forest trees are not so numerous. While the west has nearly every plant of the east, the east is destitute of a vast number of those of the west. Among the species of Vermont plants wanting at the east, we may mention the *Vermont Poplar*, both the *Balsam Poplars*, the *Cotton Poplar*, the *Northern Cork Elm*, the *Overscup White Oak*, *Viola Canadensis* and *rostrata*, *Dielytra Canadensis*, *Urtularia grandiflora*, *Asplenium angustifolium*, *rhizophyllum*, and *Ruta muraria*, &c., besides others to be immediately noticed.

The western ridge of the Alleghany mountains, which at the head of lake Champlain ceases to exist, is broken and interrupted in the state of New York opposite the southwestern border of Vermont, and thus an indirect and difficult entrance is opened to some of the plants of the west and northwest. The western border of Vermont thus appears to become the eastern limit of a considerable number of plants, of which the following is a pretty complete list.

Anemone Pennsylvanica,
Corydalis aurea,
Symphoricarpos racemosus,
Justicia Americana,
Flœrkea proserpinacoides,
Ceanothus ovalis,
Nasturtium natans,
Viburnum pubescens,
Zannichellia palustris,
Carex churnea,
Lathyrus ochroleucus,
Ulmus racemosa,
Quercus macrocarpa,
Aster ptarmicoides,
Pterospora andromedea,
Pteris gracilis,
Zizia integrerrima,
Lonicera hirsuta,
Polanisia graveolens,
Trillium grandiflorum,*

Many of the above species, though not found more eastwardly in the United States, may possibly extend farther to the east along the banks of the St. Lawrence.

The summits of Mansfield and Camel's Hump Mountains, the highest mountains in the state, have been pretty thoroughly examined by Dr. Robbins, Mr. Tuckerman, and Mr. Macrae. These mountains, though destitute of trees at their very summits, from the violence of the winds

* Found in New Brunswick, according to Hooker.

which sweep over them, do not probably quite reach the true limits of trees, and possess only a few of the alpine plants of the White Mountains, which are about 80 miles distant to the eastward.* The only truly alpine species found on these mountains are, perhaps, *Juncus trifidus*, and *Hierochloa alpina*. Other species, almost alpine, are *Poa alpina*, *Empetrum nigrum*, *Salix Uva-ursi*, *Bartsia pallida*, *Lycopodium Selago*, &c.

The materials upon which the present Catalogue is founded, are the following.

The Catalogue of the plants of Middlebury, published in 1821 in Professor Hall's "Statistical Account of the town of Middlebury," and which was subsequently republished in the first edition of the present work, with the addition of the common cultivated plants, and about 30 indigenous and naturalized species, some of which were probably collected in other parts of the state, making in the whole 569 indigenous and naturalized species. The author of this Catalogue was Dr. EDWIN JAMES, the well known botanist in Long's Expedition to the Rocky Mountains. It was probably made almost entirely from his own collections, and though literally a mere list of names, it bears the marks every where of the great accuracy and research of its author, then a young botanist. It is still the only authority for several rare species.

The collections made by JAMES W. ROBBINS, M.D., of Uxbridge, Mass., who in the year 1829 examined with the greatest care and success the whole western border of Vermont, from Massachusetts to Canada. Dr. Robbins entered the state at Pownal, on the 20th of May, and passing slowly along the western border to the Canada line, examined the large islands of lake Champlain, and afterwards visited Camel's Hump Mountain, leaving the state at Windsor on the 10th of June. On the 20th of July he again entered the state at Guildhall, and after examining the southern border of lake Memphremagog, and the towns in that vicinity, he visited Mansfield Mountain. From thence he proceeded to Burlington and Colchester, where he first discovered the remarkable botanical region at High Bridge and Winooski falls, so rich in rare and interesting plants, and after examining the shores of the lake and the islands of South and North Hero, he visited the mouth of Otter Creek, and, proceeding along the western range of towns from Shoreham to Pownal, left the state at Brattleboro' on the 23d of August. Dr. Robbins found

and collected a vast number of rare and interesting species, a large part of which were additions to the Flora of New England, and many of them were also new to the United States.

The collections of JOHN CAREY, Esq., of the city of New York, well known to Botanists by his contributions to the Flora of Torrey and Gray, who resided at Bellows Falls during the five years preceding 1836, and who also made frequent visits to the northeastern counties of the state. Though Mr. Carey's examinations were principally confined to the eastern part of the state, which is very inferior as a botanizing region to the western border, yet he collected very many rare and interesting plants, among which we may mention *Calypso bulbosa*, *Listera convallarioides*, and *Equisetum variegatum*. Mr. Carey has also added to the catalogue a large number of common species, especially Grasses and Cyperaceæ.

The collections of W. F. MACRAE, Esq. of Montreal, Canada, who, while resident at Burlington a few years ago, as a student in the University of Vermont, examined with great zeal the Botany of that vicinity, and besides the more common plants of that region, collected many rare and interesting species, among which were *Pteris gracilis*, and *Draba arabisans*, the first new to New England, the last collected there only by Michaux. Mr. Macrae also, in 1839, in company with EDWARD TUCKERMAN, JR., Esq., the author of several valuable papers on the Lichens of New England, visited Camel's Hump and Mansfield mountains, where, besides other rare species, they collected, on the sides of Mansfield, *Aspidium aculeatum*, found in the United States only by Pursh, and by him in the same region. Mr. Tuckerman has also communicated other species collected by him in various parts of Vermont.

Several very interesting species were added to the Flora of Vermont by the late J. CHANDLER, M.D., of Bennington, Vt., who also accompanied Dr. Robbins during a part of his first tour, and several are given on the authority of ISAAC BRANCH, M.D., of Abbeville District, S. C., JEREMIAH BURGE, M.D., of Drewsville, N. H., M. M. REED, M.D. of Jacksonville, Ill., and P. T. WASHBURN, Esq. of Ludlow, Vt.

All the rarer species collected by Dr. Robbins, and many of the common ones, are ascertained from specimens received from him—the remainder rest on the authority of his journals in my possession, which were made daily during his tour. From his thorough acquaintance with the

* Height of Mansfield mountain 4,279 feet, and of Camel's Hump 4,183 feet, above tide water.

plants of New England, and our mutual knowledge of each other's species, derived from long intercourse and interchange of specimens, I believe that very few if any mistakes have occurred as to the species received from him.

I have received specimens from Dr. Chandler of all the plants given on his authority, and Dr. Robbins saw and examined the species derived from Drs. Branch, Burge, and Reed, in the herbaria of those gentlemen.

I have also seen specimens from Mr. Macrae, of nearly all the species given on his authority.

I have seen only a few specimens from Mr. Carey, but have not hesitated to depend on his known accuracy, and intimate intercourse with Drs. Torrey and Gray.

In preparing the Catalogue, I have generally followed, especially as to the nomenclature of the species, the truly excellent North American Flora of Torrey and Gray, now published as far as Vol. 2, No. 2, which corresponds with the first part of the Catalogue as far as the genus *Bidens*, inclusive. As to the remaining part, I have preferred such names and synonyms as are most certain and familiar to American Botanists, not always following my own opinions, as such a catalogue affords no room for their explanation and support. Owing to the excellent materials at my disposal, the Catalogue is doubtless as complete as that of any state of the Union yet published, and I hope that it will be found useful and acceptable to Botanists.

CATALOGUE OF PLANTS.

[The sign § is prefixed to such species as have been introduced and naturalized.]

CLASS I. EXOGENOUS OR DICOTYLEDONOUS PLANTS.

ORDER RANUNCULACEÆ. The Crowfoot Tribe.

Clematis, Linn. *Virgin's Bower*.

Virginiana, L. Borders of thickets &c., in moist soil. Aug.

verticillaris, DC. Shady ledges. Rather rare. May, June.

Anemone, Haller. *Wind Flower*.

nemorosa, L. Woods, &c. May.

Virginiana, L. On dry rocky hills, &c. June, July.

var. alba. Castleton, Branch, Robbins. Colchester, Burlington, &c. Robbins. By an accidental transposition, placed under *A. cylindrica*, in Hovey's Mag. Vol. 7, p. 18.

cylindrica, Gray. Dry hills, &c. Bellows Falls, Carey. Burlington, Macrae. July.

Hudsoniana, Richardson. Torrey & Gray, Vol. 1, Suppl. p. 658. *A. multifida*, *var. Hudsoniana*, DC. T. & G. I. p. 13. On the limestone ledges of the Winooski river, at Winooski falls, Colchester, and below High Bridge, Burlington, Robbins. May, June.

Pennsylvanica, L. In stony places occasionally overflowed, on the banks of lake Champlain. Westhaven, South Hero, &c., Robbins. At Mallet's Bay, Sharpshin Point, and Winooski falls, Burlington, Macrae. June, July.

Hepatica, Dillen. *Noble Liverwort*.

triloba, Chaix. *Anemone Hepatica*, L. Woods. April.

Ranunculus, L. *Crowfoot*.

aquatilis, L. *var. capillaceus*, DC. Small streams. June—Sept.

repens, L. *var. filiformis*, DC. Overflowed borders of rivers and lakes. July, Aug.

abortivus, L. Shady banks, &c. May, June.

sceleratus, L. Ditches, &c. July, Aug.

acris, L. *Buttercups*. Meadows, &c. June—Aug.

bulbosus, L. *Buttercups*. Pastures on hills, &c. May, June.

repens, L. Low moist grounds. June—Aug.

Pennsylvanicus, L. Low moist grounds. July, Aug.

recurvatus, Poir. Shady moist banks. June.

Purshii, Richardson. *R. multifidus*, Pursh. Ponds and lakes. Castleton, Chandler. South Hero, Alburgh, Colchester, &c., Robbins. Middlebury, Burge. May, June.

Caltha, L. *Meadow Cowslip*. *Marsh Marigold*.
palustris, L. Wet meadows and swamps. May, June.

Coptis, Salisbury. *Gold Thread*.
trifolia, Salisb. Woods, in boggy soil. May.

Aquilegia, Tourn. *Columbine*.
Canadensis, L. Rocky places. May, June.

Actæa, L.
alba, Bigelow. *White Cohosh*. Rocky woods. May.
rubra, Bigelow. *Red Cohosh*. Rocky woods. May.

Cimicifuga, L.
racemosa, Elliott. *Actæa racemosa*, L. *Black Snakeroot*. Woods. Middlebury,
 James. July, Aug.

Thalictrum, Tourn. *Meadow Rue*.
dioicum, L. Shady rocky banks. May.
Cornuti, L. Moist grounds. July.

ORDER MENISPERMACEÆ. *The Moonseed Tribe.*

Menispermum, Tourn. *Moonseed*.
Canadense, L. Woods, &c. Middlebury, James. St. Albans and South Hero,
 Robbins. Burlington, Carey. Vergennes, Macrae. June,
 July.

ORDER BERBERIDACEÆ. *The Barberry Tribe.*

Leontice, L.
thalictroides, L. *Blue Cohosh*. Woods. May.
Podophyllum, L. *May Apple*.
peltatum, L. Woods in rich soil. Castleton, Branch. May.

ORDER CABOMBACEÆ.

Brasenia, Schreber.
purpurea. *Hydropeltis purpurea*, Michx. *Brasenia peltata*, Pursh. In water. In
 Minaud's pond, Rockingham, Carey. In Colchester pond,
 Macrae. July.

ORDER CERATOPHYLLACEÆ.

Ceratophyllum, L. *Hornwort*.
echinatum? Gray. In ponds and rivers. Near the mouth of Winooski river,
 and in lake Memphremagog, Robbins.

ORDER NYMPHÆACEÆ. *The Water-Lily Tribe.*

Nymphaea, Tournefort.
odorata, Aiton. *White Water-Lily*. Ponds and rivers. July, Aug.
Nuphar, Smith.
advena, Aiton. *Yellow Water-Lily*. Ponds and rivers. June, July.
lutea. var. *Kalmiana*, Torr. & Gr. *N. Kalmiana*, Pursh. Ponds and rivers.
 July.

ORDER SARRACENIACEÆ.

Sarracenia, Tourn.
purpurea, L. *Side-saddle Flower*. *Forefather's Cup*. Sphagnous bogs. June.

ORDER PAPAVERACEÆ. *The Poppy Tribe.*

Sanguinaria, Dillenius. *Blood-root*.
Canadensis, L. Woods, &c. May.

Chelidonium, Tourn.
§ majus, L. Road-sides, and about houses. June—Sept.

ORDER FUMARIACEÆ. *The Fumitory Tribe.*

Dielytra, Borchk.
cucullaria, DC. Woods, &c. May.
Canadensis, DC. *Squirrel Corn*. Woods. St. Albans, Robbins. In the
 southwest of Vermont, Oakes. May.

Adlumia, Raf.
fungosa. *Corydalis fungosa*, Ventenat. *Adlumia cirrhosa*, Raf. Rocky woods.
 Middlebury, James, Burge. Castleton, Burlington, and
 Westhaven, Robbins. Ludlow, Washburn. July—Sept.

- Corydalis*, DC.
aurea, Willd. Rocky woods. Castleton, Chandler. Burlington, Macrae. May, June.
glauca, Pursh. Rocks and ledges. May, June.

ORDER CRUCIFERÆ. *The Cruciferous Tribe.*

- Nasturtium*, R. Br.
palustre, DC. Wet places. July, Aug.
natans, DC. var. *Americanum*, Gray, T. & G. I. p. 75. In shallow water on the borders of Otter Creek below Vergennes, abundant for several miles, Robbins. July, Aug.
- Barbarea*, R. Br.
vulgaris, R. Br. *Winter Cress*. Road-sides, &c., generally in moist soil. June.
- Arabis*, L. *Wall Cress*.
hirsuta, Scop. *A. sagittata*, DC. *Turritis hirsuta*, L. Rocks. June.
laevigata, DC. *Turritis laevigata*, Muhl. Rocks. June.
- Cardamine*, L.
rhomboidea, DC. *C. rotundifolia* var., Tor. & Gray. Wet meadows. Castleton, Robbins. May, June.
hirsuta, L. *C. Pennsylvanica*, Muhl. Brooks, &c. June, July.
pratensis, L. *Lady's Smock*. *Cuckoo Flower*. Wet meadows. Whiting and Alburgh, Chandler. St. Albans, Robbins. May, June.
- Dentaria*, L. *Throatwort*.
diphylla, Michx. *Pepper Root*. Woods. May.
laciniata, Muhl. Woods. Castleton, Robbins. May.
- Sisymbrium*, Allioni.
 § *officinale*, Scop. *Hedge Mustard*. Road-sides and about houses. June—Aug.
teres, Torr. & Gray, I. p. 93. *Cardamine teres*, Michx. Vermont, on Lake Champlain, Michaux. No botanist except Michaux has ever collected this species.
- Sinapis*, L. *Mustard*.
 § *nigra*, L. *Black Mustard*. Old fields, &c. June—Aug.
 § *arcensis*, L. Road sides, old fields, &c., called "*Charlock*," which it resembles. Charlotte and Alburgh, Robbins. About Burlington, Macrae. May, June.
- Draba*, L.
arabizans, Michx. On rocks. On Lake Champlain, Michaux. At Sharpshin Point Burlington, and on the north side of Juniper Island, Macrae. May.
- Cochlearia*, L.
 § *Armoracia*, L. *Horse-radish*. Banks of rivers, and about houses, in moist soil. June. This well known species is also thoroughly naturalized in Massachusetts, often in places distant from habitations.
- Camelina*, Crantz.
 § *sativa*, Crantz. Old fields, flax fields, &c. Ferrisburgh, Robbins. Bellows Falls, Carey.
- Lepidium*, L. *Peppercwort*, or "*Pepper Grass*."
Virginicum, L. Sandy fields and roadsides. June, July.
- Capsella*, Vent. *Shepherd's Purse*,
 § *Bursa-pastoris*, Mönch. Gardens and fields. April—Sept.
- Raphanus*, L.
 § *Raphanistrum*, L. *Charlock*. *Wild Radish*. Cultivated grounds. South Hero, Robbins. June, Sept.

ORDER CAPPARIDACEÆ. *The Caper Tribe.*

- Polanisia*, Raf.
graveolens, Raf. On the gravelly banks of Lake Champlain, above high water. July, Aug.

ORDER POLYGALACEÆ. *The Milkwort Tribe.*

- Polygala*, L. *Milkwort*.
verticillata, L. Dry Soils. At Bellows Falls, Tuckerman, Carey. July—Sept.

- Senega*, L. *Seneca Snake-root*. Dry rocky woods and banks. June.
polygama, Walt. *P. rubella*, Willd. Dry fields and borders of woods. July, Aug.
paucifolia, Willd. Pine woods and sphagnous swamps. May, June.
ambigua, Nuttall. Dry fields, &c. Pownal, *Robbins*. July, Aug.

ORDER VIOLACEÆ. *The Violet Tribe.**Viola*, L. *Violet*.

- palmata*, L. Woods and shady banks. Pownal, *Robbins*. May.
cucullata, Ait. Wet meadows and woods. May.
sagittata, Ait. var. *ovata*, T. & G. I. p. 138. *V. ovata*, Nutt. Dry hills, &c. May.
rotundifolia, Michx. Woods. May.
blonda, Willd. Wet meadows and woods. May.
Muhlenbergii, Torrey. Moist woods. May, June.
rostrata, Pursh. Woods. May, June.
pubescens, Ait. Woods. May, June.
Canadensis, L. Woods. May, June.

ORDER DROSERACEÆ. *The Sundew Tribe.**Drosera*, L. *Sundew*.

- rotundifolia*, L. Sphagnous bogs. June—Aug.
longifolia, L. Sphagnous bogs. June—Aug.

Parnassia, Tourn. *Grass of Parnassus*.

- Caroliniana*, Michx. Wet meadows, &c. Aug., Sept.

ORDER CISTACEÆ. *The Rock-rose Tribe.**Helianthemum*, Tourn.

- Canadense*, Michx. Dry sandy pastures, &c. Pownal, *Robbins*. Bellows Falls, *Carey*. Burlington, *Macrae*. June.

Leechea, L. *Pin Weed*.

- major*, Michx. Dry pastures, &c. Middlebury, *James*. July, Aug.
minor, Lam. Dry hills, &c. Middlebury, *James*. Burlington, *Macrae*. Bellows Falls, *Carey*. July, Aug.

ORDER HYPERICACEÆ. *The St. John's Wort Tribe.**Hypericum*, L. *St. John's Wort*.

- pyramidatum*, Ait. *H. ascyroides*, Willd. Banks of rivers. Burlington, *Bigelow*. Near Rutland, *Robbins*. On Black river, Springfield, *Carey*. On White river, between Royalton and Hartford, *Oakes*. July, Aug.

- § *perforatum*, L. *Common St. John's Wort*. Grass fields, pastures, &c. July, August.

- corymbosum*, Muhl. Shady banks, &c. July, Aug.

- ellipticum*, Hooker. Moist meadows, &c. Middlebury, *Burge*. Westford and Ferrisburgh, *Robbins*. Burlington, *Tuckerman*. Bellows Falls, &c., *Carey*. July, Aug.

- mutitum*, L. *H. parviflorum*, Willd. Wet soils. July, Aug.

- Canadense*, L. Wet soils. July, Aug.

Elodea, Adams.

- Virginica*, Nutt. Swamps, &c. Middlebury, *James*. Bellows Falls, *Carey*. Burlington, *Macrae*. July, Aug.

ORDER ILLECEBRACEÆ. *The Knot-grass Tribe.**Spergula*, Bartl.

- § *arvensis*, L. *Corn Spurrey*. Old fields, &c. June, Oct.

Anychia, Michx.

- dichotoma*, Michx. Dry hills, &c. Pownal, *Robbins*. July, Aug.

ORDER CARYOPHYLLACEÆ. *The Pink Tribe.**Mollugo*, L.

- verticillata*, L. Sandy soils. Bellows Falls, *Carey*. July—Sept.

Arenaria, L. *Sandwort*.

- stricta*, Michx. Rocks. June.

CATALOGUE OF PLANTS.

- Grænländica*, Spring. *A. glabra*, Bigel. non Michx. On the summits of Mansfield mountain and Camel's Hump, *Robbins, Tuckerman, and Macrae*. July, Aug. (Identical with *A. glabra* of Michaux, *Macrae*.)
- § *Serpyllifolia*, L. Sandy fields. Burlington, *Tuckerman*. May—July.
- § *lateriflora*, L. Moist woods. Middlebury, *Burge*. Fairhaven, *Robbins*. June.
- Stellaria*, L.
- § *media*, Smith. *Chickweed*. Gardens, &c. April—Nov.
- § *longifolia*, Muhl. Bellows Falls, *Carey*. June.
- § *borealis*, Bigel. Swamps, and on mountains. June, July.
- Cerastium*, L. *Mouse-ear Chickweed*.
- § *vulgatum*, L. Roadsides, &c. June.
- § *nutans*, Raf. Moist shady places. Middlebury, *Burge*. Danby and Rutland, *Robbins*. May.
- Silene*, L. *Catchfly*.
- § *antirrhina*, L. Dry fields, &c. On the rocks about Winooski falls, Colchester. *Robbins*. Bellows Falls, *Carey*. June.
- § *noctiflora*, L. Old fields, &c. Bellows Falls, *Carey*. Burlington, *Macrae*. July.
- Agrostemma*, L.
- § *Githago*, L. *Corn Cockle*. Cultivated fields, &c. June.
- ORDER PORTULACÆÆ. *The Purslane Tribe.*
- Portulaca*, L.
- § *oleracea*, L. *Purslane*. Gardens, &c. July, Aug.
- Claytonia*, L.
- § *Caroliniana*, Michx. *Spring Beauty*. Woods. April, May.
- ORDER LINACÆÆ. *The Flax Tribe.*
- Linum*, L. *Flax*.
- § *usitatissimum*, L. *Common Flax*. Old fields, &c. July.
- § *Virginianum*, L. Dry woods, &c. Pownal, *Robbins*. June—Aug.
- ORDER GERANIACÆÆ. *The Geranium Tribe.*
- Geranium*, L.
- § *maculatum*, L. Woods. June.
- § *Carolinianum*, L. Dry soils. Bellows Falls, *Carey*. Burlington, *Oakes*. June.
- § *Robertianum*, L. Shady ledges, &c. June—Sept.
- § *dissectum*, L. Hills. Castleton, *Robbins*. June, July. Exactly the European plant, and found also by Dr. Robbins at Augusta, Me., and Uxbridge, Mass.
- ORDER BALSAMINACÆÆ. *The Balsam Tribe.*
- Impatiens*, L. *Balsam*.
- § *pallida*, Nutt. Moist shady grounds. Pownal, *Oakes*. At the base of Mansfield mountain, Westhaven, Jericho, &c., *Robbins*. Guildhall, *Carey*.
- § *fulva*, Nutt. Moist grounds. Aug. Sept.
- ORDER LIMNANTHACÆÆ.
- Flærkea*, Willd.
- § *proserpinacoides*, Willd. Wet banks, and margins of streams, &c. Castleton, *Robbins*. May.
- ORDER OXALIDACÆÆ. *The Wood-sorrel Tribe.*
- Oxalis*, L. *Wood-sorrel*.
- § *acetosella*, L. Mountain woods. June, July.
- § *stricta*, L. Cultivated grounds. June—Sept.
- ORDER XANTHOXYLACÆÆ.
- Xanthoxylum*, L.
- § *Americanum*, Miller. *X. traxineum*, Willd. *Prickly Ash*. On rocky hills and banks. Middlebury, *James*. Ferrisburgh, Shoreham, Grand Isle, Shelburne, St. Albans, and Arlington, *Robbins*. April, May.

ORDER ANACARDIACEÆ. *The Cashew Tribe.*

- Rhus*, *L. Sumac.*
typhina, *L. Stag's horn Sumac.* Hills. June.
glabra, *L. Smooth Sumac.* Hills, &c. July.
copallina, *L. Mountain Sumac.* Hills and pastures. July.
venenata, *DC. R. vernix*, *L. in part. Poison Sumac. Poison Dogwood.*—
 Swamps. June.
Toxicodendron, *L. Poison Ivy.* Woods and along fences. June.
aromatica, *Ait.* Dry hills and banks. Shoreham, *Dr. Hill.* Westhaven and
 Pownal, *Robbins.* May.

ORDER MALVACEÆ. *The Mallow Tribe.*

- Malva*, *L. Mallow.*
§ rotundifolia, *L.* Road-sides and about houses. June—Sept.
Sida, *L.*
Abutilon, *L.* Waste places, cultivated grounds, &c. Pownal, *Robbins.* Aug.,
 Sept.

ORDER TILIACEÆ. *The Linden Tribe.*

- Tilia*, *L. Linden, or Lime Tree.*
Americana, *L. Bass Wood.* Woods. July.

ORDER VITACEÆ. *The Vine Tribe.*

- Vitis*, *L. Vine.*
Labrusca, *L. Fox Grape.* Woods and thickets. June.
astivolis? Michx. *Summer Grape.* Banks of rivers, &c. On the alluvial
 banks of the Winooski, near High Bridge, Colchester,
Robbins. Rocks at Sharpshin Point, Burlington, *Macrae.*
 Bellows Falls, *Carey.* June.
riparia, Michx. Thickets on the banks of rivers. Bellows Falls, *Carey.* June.
cordifolia, Michx. *Frost Grape. Winter Grape.* Borders of thickets, &c. June.
Ampelopsis, Michx.
quinquefolia, Michx. *Common Creeper.* Woods, &c. July.

ORDER ACERACEÆ. *The Maple Tribe.*

- Acer*, *L. Maple.*
Pennsylvanicum, *L. A. striatum*, Michx. *Striped Maple.* Woods. May, June.
spicatum, Lam. *A. montanum*, Ait. *Mountain Maple.* Woods. June.
saccharinum, *L. Sugar Maple.* Woods. May. var. *nigrum*,
 Michx. *Black Sugar Maple.* Woods. May.
dasycarpum, Ehrh. *White Maple, Soft Maple.* Banks of rivers. April.
rubrum, *L. Red Maple.* Swamps, &c. April, May.

ORDER CELASTRACEÆ.

- Staphylea*, *L. Bladder-nut.*
trifolia, *L.* Rocky banks, &c. Middlebury, *James.* Pownal, *Robbins.* May.
Celastrus, *L.*
scandens, *L. Wax-work. False Bitter-Sweet.* Borders of woods, fences, &c.
 June.

ORDER RHAMNACEÆ. *The Buck-Thorn Tribe.*

- Rhamnus*, *L. Buck-thorn.*
alnifolius, L'Her. Sphagnous swamps. Castleton, Whiting, Craftsbury, &c.,
Robbins. Hubbardton, *Chandler.* Danville, *Carey.* May,
 June.

- Ceanothus*, *L.*
Americanus, *L. New Jersey Tea.* Dry woods, pastures, &c. July
ovatis, Bigel. Dry open sandy woods, &c. Burlington, June.

ORDER LEGUMINOSÆ. *The Pea and Bean Tribe.*

- Vicia*, *L. Vetch.*
sativa, *L. Common Vetch. Tare.* Old fields, &c. July.
Cracca, *L.* Old fields, &c. Middlebury, *Burge.* June, July.

- Lathyrus*, L.
maritimus, Bigel. *Pisum maritimum*, L. *Shore Pea*. On the sandy shore of lake Champlain, Burlington, *Macrae*. June, July.
palustris, L. Wet meadows, &c. June.
 var. *myrtifolius*, L. *myrtifolius*, Muhl. "In Vermont. *Torrey & Gray*."
ochroleucus, Hooker. *L. glaucifolius*, Beck. On the banks of lake Champlain, in dry soil, in North and South Hero, *Robbins*. June, July.
- Apios*, *Boerhaave*.
tuberosa, Mönch. *Glycine Apios*, L. *Ground Nut*. Moist shady places. Aug
- Amphicarpæa*, Elliott.
monoica, Elliott. *Glycine monoica*, L. Woods. July.
- Trifolium*, L. *Clover*. *Trefoil*.
 § *arvense*, L. Dry sandy soil. July, Aug.
 § *pratense*, L. *Red Clover*. Meadows, fields, &c. June—Sept.
repens, L. *White Clover*. Meadows, fields, woods, &c. May—Oct.
- Melilotus*, *Tourn.* *Melilot*.
officinalis, Willd. *Yellow Melilot*. Middlebury, *James* June—Aug.
- Medicago*, L.
 § *tupulina*, L. *Nonesuch*. Fields, &c. South Hero. *Robbins*. June, Aug.
- Phaca*, L.
Robinsii, Oakes, in Hovey's Mag, May, 1841. On a limestone ledge in Burlington, on the banks of Winooski river, a quarter of a mile below High Bridge, *Robbins*. May, June.
- Desmodium*, DC. *Hedysarum*, L.
nudiflorum, DC. Dry woods. Aug.
acuminatum, DC. Dry woods. Aug.
Canadense, DC. Woods and by fences. July, Aug.
canescens, DC. Dry soil. Pownal, *Robbins*. Aug.
paniculatum, DC. Dry woods. Ferrisburgh, *Robbins*. Aug.
Dillenii, Darlington. Dry woods. Bellows Falls, *Carey*. Aug.
- espedeza*, Michx. *Hedysarum*, L.
violacea, Pers. Dry woods. Rockingham, *Carey*. Aug.
hirta, Ell. Dry fields, banks, &c. Colchester, *Robbins*. Aug.
capitata, Michx. Dry pastures, &c. Bellows Falls, *Carey*. August.
- Lupinus*, L. *Lupine*.
perennis, L. *Wild Lupine*. Sandy woods and fields. June.
- Cassia*, L.
Marilandica L. *Wild Senna*. Orwell, Dr. Hill. Bellows Falls, *Carey*. Aug.
- ORDER ROSACEÆ The Rose Tribe.
- Prunus*, *Tourn.* *Plum*.
Americana, Marshall. *P. nigra*, Ait. *Canada Plum*. *Wild Yellow Plum*.—Woods. May.
- Cerasus*, *Juss.* *Prunus*, L. *Cherry*.
pumila, Michx. *Sand Cherry*. Rocky or sandy shores. May.
Pennsylvanica, Loisel. *C. borealis*, Michx. *Wild Red Cherry*. Woods. May.
serotina, DC. *C. Virginiana*, Michx. *Wild Black Cherry*. Fields, woods, &c. June.
Virginiana, DC. *P. obovata*, Bigel. *Choke Cherry*. Fields, woods, &c. June.
- Spiræa*, L.
salicifolia, L. *Meadow Sweet*. Low grounds. July, Aug.
tomentosa, L. *Hardhack*. Low grounds. July, Aug.
- Geum*, L. *Avens*.
strictum, Ait. Low grounds. July.
Virginianum, L. Fields, &c. June, July.
rivale, L. *Water Avens*. Bogs. June.
- Waldstenia*, Willd.
fragarioides, Tratt. *Dalibarda fragarioides*, Michx Woods. June.
- Agrimonia*, *Tourn.* *Agrimony*.
Eupatoria, L. Woods and pastures. July.
- Potentilla*, L. *Cinquefoil*.
fruticosa, L. Bogs. July—Sept.
Canadensis, L. *P. simplex*, Michx. *Five Finger*. Woods. May, June.
 var. *pumila*. *P. Pumila*, Poir. Pastures, &c. May—Aug.

CATALOGUE OF PLANTS.

- Norvegica*, L. Old fields, &c. June—Aug.
tridentata, Ait. On the Alpine summits of Mansfield mountain and Camel's Hump, *Robbins*. July, Aug.
arguta, Pursh. *P. confertiflora*, Torrey. Rocky Hills. Pownal, Castleton, *Robbins*. Bellows Falls, *Carey*. May, June.
anserina, L. Overflowed places. June, July.
argentea, L. Dry hills, &c. Bellows Falls, *Carey*. Burlington, *Macrae*. Pownal, *Robbins*. June.
- Comarum, L.
palustre, L. Bogs. Burlington, *Robbins*. Charleston, *Carey*. July.
- Fragaria, Tournef. Strawberry.
Virginiana, Ehrh. Wild Strawberry. Woods and meadows. May.
vesca, L. Common "English" Wood Strawberry. Woods, especially on mountains. May.
- Dalibarda, L.
repens, L. Woods, especially on mountains. June—Aug.
- Rubus, L. Bramble.
odoratus, L. Flowering Raspberry. Shady rocky banks. June—Aug.
strigosus, Michx. Red Raspberry. About woods. May, June.
occidentalis, L. Thimble-berry. Black Raspberry. By fences, &c. May, June.
villosus, Ait. High Blackberry. Borders of woods and fields. June.
Canadensis, L. *R. trivialis*, Pursh. Low Blackberry. Fields, &c. June.
hispidus, L. *R. sempervirens* and *setosus*, Bigelow. Woods. June.
triflorus, Richardson. *R. saxatilis*, Michx. Swamps and woods. June.
- Rosa, Tourn. Rose.
Carolina, L. Borders of swamps, &c. July.
lucida, Ehrh. Pastures, &c. June.
blanda, Ait. On rocks. Bellows Falls, *Carey*. Burlington, *Macrae*. On the ledge near High Bridge, Burlington, with *Phaca Robbinsii*, *Oakes*. June.
§ rubiginosa, L. Sweet Briar. Thickets, pastures, &c. June, July.
- Crataegus, L. Hawthorn.
coccinea, L. Borders of thickets, &c. May, June.
tomentosa, L. var. *B.*, Torrey & Gray, 1—466. Thickets, &c. Bellows Falls, *Carey*. May, June.
punctata, Jacq. Borders of woods, &c. Ferrisburgh, Charlotte, Colchester, &c. *Robbins*, May, June.
- Pyrus, L.
arbutifolia, L. f. var. *erythrocarpa*. Dry woods. June.
var. *melanocarpa*. Chokeberry. Swamps. June.
Americana, DC. *Sorbus Americana*, Willd. Mountain Ash. Woods, especially on mountains. June.
- Amelanchier, Medic. DC. *Mespilus*, L. *Aronia*, Pers. Juneberry.
Canadensis, T. & G. 1—473. *Mespilus Can.* L. *Pyrus Botryapium*, L. fil.
var. *Botryapium*, T. & G. Woods, &c. May, June.
var. *oblongifolia*, T. & G. Woods, &c. May, June.
var. *rotundifolia*, T. & G. Rocky banks of rivers, &c. May, June.
var. *oligocarpa*, T. & G. Near the summits of Camel's Hump and Mansfield mountain, *Robbins*, *Tuckerman*, and *Macrae*. In a swamp at Guildhall, *Carey*. June.

ORDER LYTHRACEÆ. The Loosestrife Tribe.

- Decodon, Gmelin.
verticillatum, Elliott. *Lythrum vert.*, L. Borders of ponds, &c. Colchester, *Robbins*.

ORDER ONAGRACEÆ. The Evening Primrose Tribe.

- Epilobium, L. Willow Herb.
angustifolium, L. *E. spicatum*, Lam. Burnt woods, &c. July, Aug.
coloratum, Muhl. Wet places. July, Aug.
palustre, L. var. *albiflorum*, Lehm. *E. lineare*, Muhl. *E. squamatum*, Nuttall. Swamps. Aug.
- Oenothera, L. Evening Primrose.
biennis, L. Old fields, &c. July, Aug.

- pumila*, L. Old fields, &c. June—Sept.
Circæa, Tourn. *Enchanter's Nightshade*.
Lutetiana, L. Woods, &c. July.
alpina, L. Old woods, on fallen mossy trunks, &c. July, Aug.

SUB-ORDER HALORAGÆ.

- Proserpinaca*, L.
palustris, L. Ditches, borders of ponds, &c. July, Aug.
Myriophyllum, Vaill. *Water Milfoil*.
spicatum, L. In ponds, &c. July.

ORDER CUCURBITACEÆ. *The Gourd Tribe.*

- Sicyos*, L. *Single-seeded Cucumber*.
angulatus, L. Cultivated grounds and river banks. Aug.
Echinocystis, Torrey & Gray, 1, 542.
lobata, T. & G. *Momordica echinata*, Willd. *Hexameria echinata*, T. & G. in New York State Cat. p. 137. Alluvial banks of rivers. On the Hoosic, Pownal, Vt., *Oakes*. On the Winooski, below High Bridge, Colchester, *Robbins*. Aug.

ORDER GROSSULARIACEÆ. *The Currant and Gooseberry Tribe.*

- Ribes*, L. *Currant and Gooseberry*.
Cynosbati, L. Rocky woods, &c. May.
lacustre, Poiret. Rocky mountain woods. May, June.
prostratum, L'Herit. *R. rigens* and *trifidum*, Michx. Mountain woods. May.
floridum, L'Herit. *Wild Black Currant*. Woods. Bridgewater, *Thompson*. May.
rubrum, L. *Red garden Currant*. Swamps. St. Johnsbury, *Carey*. Also on the rocky banks of the Winooski, *Oakes*. May, June.

ORDER CRASSULACEÆ. *The House-leek Tribe.*

- Penthorum*, L.
sedoides, L. Low moist places. July, Aug.
 ORDER SAXIFRAGACEÆ. *The Saxifrage Tribe.*

- Saxifraga*, L. *Saxifrage*.
Virginensis, Michx. Rocks. May.
Pennsylvanica, L. Wet meadows and swamps. May, June.
Mitella, L.
diphylla, L. *False sanicle*. Woods. May.
nuda, L. *M. cordifolia*, Lam. *M. prostrata*, Michx. Shady bogs. May, June.
Tiarella, L. *Mitre Wort*.
cordifolia, L. Woods. May, June.
Chrysosplenium, Tourn. *Golden Saxifrage*.
Americanum, Schweinitz. *C. oppositifolium*, Michx. &c. not L. Wet boggy soil. May, June.

ORDER HAMAMELACEÆ. *The Witch Hazel Tribe.*

- Hamamelis*, L. *Witch Hazel*.
Virginiana, L. Woods, &c. Oct., Nov.

ORDER UMBELLIFERÆ. *The Umbelliferous Tribe.*

- Hydrocotyle*, Tourn. *Marsh Penny Wort*.
Americana, L. Swamps, &c. July, Aug.
Sanicula, Tourn. *Sanicle*.
Marilandica, L. Woods. June.
Cicuta, L.
maculata, L. *Water Hemlock*. Moist meadows, &c. July, Aug.
bulbifera, L. Borders of swamps, &c. August.
Sium, L. *Water Parsnip*.
latifolium, L. Wet places. July, Aug.
Cryptotaenia, DC.
Canadensis, DC. *Sison Canadense*, L. Shady banks, &c. July.
Zizia, Koch.
aurea, Koch. *Smyrnium aureum*, L. Meadows, &c. July.
integerrima, DC. *Smyrnium integerrimum*, L. Shady banks, &c. June.
Thaspium, Nutt.
cordatum, Torrey & Gray, 1, 615. Middlebury, *James*. June.

Conioselinum, Fisch.

Canadense, T. & G. 1, 619. *Selinum Can.*, Michx. *Cnidium Can.*, Spreng. Cedar swamps and wet woods. Fairhaven, and at the base of Mansfield mountain, *Robbins*. Burlington, *Macrae*. July.

Archangelica, Hoffm.

atropurpurea, Hoffm. *Angelica triquinata*, Michx. *Angelica*. Low grounds. July.

Pastinaca, Town.

§ sativa, L. *Common Parsnep*. By fences, &c. June, July.

Heracleum, L. Cow Parsnep.

lanatum, Michx. By fences, &c. June, July.

Osmorhiza, Raf.

longistylis, DC. *Sweet Cicely*. Woods. May, June.

brevistylis, DC. Woods. May, June.

Conium, L. Hemlock.

§ maculatum, L. *Poison Hemlock*. Road sides, &c. July, Aug.

ORDER ARALIACEÆ. *The Aralia Tribe.**Aralia, L.*

nudicaulis, L. *Wild Sarsaparilla*. Woods. May, June.

racemosa, L. *Spikenard*. Woods and shady banks. July.

hispida, L. *Burnt woods*, &c. July.

Panax, L. Ginseng.

quinquefolium, L. *Common Ginseng*. Woods. July.

trifolium, L. *Dwarf Ginseng*. Moist woods. May.

ORDER CORNACEÆ. *The Dogwood Tribe.**Cornus, L. Dogwood.*

alternifolia, L. Woods. June.

circinata, L. Woods, &c. Middlebury, *James*. Castleton, Colchester, and Burlington, *Robbins*. Bellows Falls, *Carey*. June.

stolonifera, Michx. *Cornus alba*, Wang. Banks of streams, &c. May, June.

paniculata, L'Her. Borders of woods, &c. June.

sericea, L. Low grounds, &c. July.

florida, L. *Common Dogwood*. Woods. Castleton, *Robbins*. May, June.

Canadensis, L. Woods. May.

ORDER CAPRIFOLIACEÆ. *The Honeysuckle Tribe.**Linnæa, Gronov.*

borealis, Gronov. *Linnæa*. Old woods. June, July.

Symphoricarpos, Dillenius.

racemosus, Michx. *Snowberry*. Rocky banks. On Grand Isle and South Hero, at the "Point of Rocks" in Shoreham, and at Fort Cassin, *Robbins*. On the extremity of Sharpshin Point, Burlington, *Macrae*. July, Aug.

Lonicera, L. Honeysuckle.

hirsuta, Eaton. Rocky woods. Middlebury, *James*. Castleton, Branch. Pownal, *Robbins*. June.

parviflora, Lam. Rocky banks, &c. June.

ciliata, Muhl. Shady ledges, &c. May, June.

carulea, L. *Xylosteum villosum*, Michx. Bogs, &c. May, June.

Diervilla, Town.

trifida, Mench. *D. Canadensis*, Willd. Rocky woods. July.

Triosteum, L.

perfoliatum, L. *Feverwort*. Rocky woods, &c. Bennington, *Robbins*. May, June.

Sambucus, Town.

Canadensis, L. *Common Elder*. Along fences, &c. July.

pubens, Michx. *Red-berried Elder*. Woods and mountains. May.

Viburnum, L.

nudum, L. *V. pyrifolium*, Pursh. *V. cassinoides*, L. Moist woods, &c. June.

Lentago, L. Moist thickets. June.

dentatum, L. *Arrow wood*. Moist thickets. June.

pubescens, Pursh. Dry rocky banks. Middlebury, *James*. Shoreham, Castleton, and Westhaven, *Robbins*. Sharpshin Point and a high rock behind it, Burlington, *Macrae*. June.

- acerifolium*, L. Rocky woods. June.
Opulus, L. var. *Americanum*, Ait. *V. Oxyccoccus*, Pursh. Cranberry Bush. Woods, &c. May, June.
 var. *cradatum*, Oakes in Hovey's Mag., May, 1841. *V. pauciflorum*, La Pylaie. T. & G. 2, 17. Near the summit of the Mansfield mountain, Tuckerman and Macrae. July.
Lantanoides, Michx. Hobble Bush. Old woods. May, June.

ORDER RUBIACEÆ. The Madder Tribe.

- Houstonia*, L.
carulea, L. Wet pastures, &c. May, June.
longifolia, Michx. Dry woods. July.
Galium, L. Bedstraw.
Aparine, L. Goose grass. Cleavers. Shady banks. June.
trifidum, L. *G. tinctorium*, L. *G. obtusum*, Bigel. Low grounds. June, July.
asprellum, Michx. Moist thickets. July.
triflorum, Michx. Woods. June, July.
pilosum, Ait. Dry pastures, &c. Pownal. Robbins. June.
circaezans, Michx. Woods. June, July.
 var. *lanceolatum*, Torr. & Gray. *G. lanc.* Torrey. Woods. Castleton, Branch. Middlebury, Burge. Essex, Robbins. Bellows Falls, Carey.
 var. *montanum*, T. & G. 2, 24. *G. Littellii*, Oakes in Hovey's Magazine, May, 1841. On the sides of Camel's Hump mountain, Robbins. Notch of Mansfield mountain, Tuckerman and Macrae. July, August. A pubescent var. grows on Sharpshin Point, Burlington, Macrae.
Cephalanthus, L. Button Bush.
occidentalis, L. Small ponds and wet places. July, August.
Mitchella, L. Checker-Berry.
repens, L. Woods. June, July.

ORDER VALERIANACEÆ. The Valerian Tribe.

- Valeriana*, Toura. Valerian.
sylyatica, Herb. Banks. Cedar and other swamps. Fairhaven and Craftsbury. Robbins. May—July.

ORDER DIPSACEÆ. The Teasel Tribe.

- Dipsacus*, L. Teasel.
 § *sylyestris*, L. Wild Teasel. Waste grounds. Castleton, Reed.

ORDER COMPOSITÆ.

- Vernonia*, Schreber.
Novboracensis, Willd. Iron-weed. Low grounds. Middlebury, James. Aug.
Eupatorium, L.
perfoliatum, L. Thorough wort. Bogs and wet grounds. Aug.
ageratoides, L. f. Shady banks, &c. August, Sept.
purpureum, L. *E. verticill.* and *maculatum*, L. Moist grounds. Aug., Sept.
Nardosmia, Cass. L.
palmata, Hook. *Tussilago palmata*, Ait. Swamps. Fairhaven, Robbins. April, May.
Tussilago, Toura.
 ? § *Farfara*, L. Colts-foot. Banks of streams, and moist banks. Pownal, Oakes. Danby, Castleton, Grand Isle, Arlington, &c., Robbins. Burlington, Tuckerman. Rockingham, Carey. April, May.
Aster, L. Starwort.
conyzoides, Willd. Dry open woods, &c. Pownal and Arlington, Robbins. July, August.
lavis, L. Borders of woods, &c. Bellows Falls, &c., Carey. Aug., Sept.
undulatus, L. Dry woods, &c. Burlington, Macrae. Bellows Falls, Carey. August, Sept.
corymbosus, Ait. Woods and shady banks, Aug., Sept.
cordifolius, L. Woods, &c. Sept.
multiflorus, Ait. Dry hills, pastures, &c. Pownal, Robbins. Aug., Sept.

- dumosus*, L. *var. strictior*, T. & G., 2, 128. Borders of woods, &c.
Tradescanti, L. *var. fragilis*, T. & G., 2, 129. Rocky banks of the Winooski, Colchester and Burlington, *Robbins*. Aug., Sept.
miser, L. *var. hirsuticaulis*. T. & G., 2, 131. Borders of thickets, &c. Bellows Falls, *Carey*. Burlington, *Macrae*. Aug., Sept.
simplex, Willd. Wet grounds. Bellows Falls, *Carey*. August, Sept.
pratensis, Poir. Moist woods, &c. Bellows Falls, *Carey*. August, Sept.
puniceus, L. Low moist grounds. August, Sept.
Novæ-Angliæ, L. Moist grounds, &c. Middlebury, *James*. Sept.
acuminatus, Michx. Woods. August, Sept.
ptarmicoides, T. & G., 2, 160. *Caryopsis alba*, Nutt. *Helianthus albus*, DC. Rocky hills, Pownal, *Robbins*. August.
linariifolius, L. Dry sandy pastures, &c. August, Sept.
umbellatus, Miller. Moist thickets. August, Sept.
macrophyllus, L. Dry woods. Sept.
- Erigeron*, L. *Flea-bane*.
Canadense, L. Old fields, &c. July—Oct.
bellidifolium, Muhl. *Poor Robert's Plantain*. Borders of woods, &c. May, June.
Philadelphicum, L. *E. purpureum*, Ait. Banks of rivers. Putney, *Reed*. Burlington, *Robbins*. Bellows Falls, *Carey*. June.
strigosum, Muhl. *E. Philadelphicum*, and *E. integrifolium*, Bigel. Fields, &c. June—Aug.
annuum, Pers. *E. heterophyllum*, Muhl. *E. strigosum*, Bigel. Old fields, &c. July, August.
- Solidago*, L. *Golden Rod*.
Canadensis, L. About fences and woods. August, Sept.
gigantea, Ait. Borders of woods, &c. Bellows Falls, *Carey*. August, Sept.
juncea, Ait. *S. arguta*, Torr. and Gray. Borders of woods, &c. Burlington, *Carey*.
neglecta, Torrey & Gray. Moist woods, &c. Fairhaven, *Robbins*. Aug., Sept.
altissima, L. Low grounds, &c. August, Sept.
nemoralis, Ait. Dry fields and hills. August, Sept.
odora, Ait. Woods. August, Sept.
bicolor, L. Dry woods. August, Sept.
casia, L. Woods. Bellows Falls, *Carey*. Sept.
flexicaulis, L. *S. latifolia*, L. Shady banks and woods. Sept.
virgaurea, L. Bigel. *S. thyrsoides*, E. Meyer. T. & G., 2, 207. Woods on the sides of Killington Peak and of Mansfield Mountain. *Robbins*. August.
squarrosa, Muhl. Dry banks and woods. Castleton, Essex and Colchester, *Robbins*. August, Sept.
lanceolata, L. Low grounds, &c. August, Sept.
humilis, Pursh, 2, 543. On limestone rocks at Winooski falls, Colchester, and also on the ledge with *Phaca Robbinsii*, Burlington, *Robbins*. August.
- Inula*, L.
Helenium, L. *Elecampane*. Road sides. August.
- Xanthium*, L. *Cocklebur*.
Strumarium, L. *var. Canadense*, Torrey and Gray. Road sides, &c. Middlebury, *James*. South Hero, *Robbins*. Burlington, *Carey*. August.
- Ambrosia*, L.
Artemisiaefolia, L. *A. elatior*, L. *Bitter Weed*. Old fields, &c. Aug., Sept.
trifida, L. Low grounds. Pownal, *Robbins*. August, Sept.
- Rudbeckia*, L.
laciniata, L. Low grounds, &c. August, Sept.
- Helianthus*, L. *Sun flower*.
divaricatus, L. Sandy woods, &c. August, Sept.
decapetalus, L. Moist places and woods about Burlington and Colchester, *Macrae*. August, Sept.
- Bidens*, L. *Bur Marigold*.
frondosa, L. Moist fields, &c. August, Sept.

- chrysanthemoides*, Michx. Wet grounds. Bellows Falls, *Carey*. Aug., Sept.
cernua, L. Wet grounds. August, Sept.
Beckii, Torrey. Lakes, ponds, &c. In Lake Champlain, near Benson, *Chandler*. August, Sept.
connata, Muhl. Moist grounds. Middlebury, *James*. August, Sept.
Anthemis, L.
cotula, L. *May weed*. Road sides, &c. July—Sept.
Achillea, L. *Yarrow*, *Milfoil*.
 § *Millefolium*, L. Pastures, &c. July, August.
Chrysanthemum, L.
leucanthemum, L. *Whiteseed*. Pastures and grass fields. June—Aug.
Artemisia, L. *Wormwood*.
 § *Absinthium*, L. *Common Wormwood*. Road sides, &c. Naturalized abundantly in Danby, Barre, Williamstown, Mount Tabor, Dorset, Pownal, &c., *Robbins*. Aug.
 § *vulgaris*, L. *Mugwort*. Road sides, &c. In Castleton, *Branch*. Middlebury, *Burge*. In North Hero, St. Albans, Georgia, Danby, &c. *Robbins*. Hubbardton, *Chandler*. Swanton, *Carey*. Colchester, *Oakes*. July, August.
Tanacetum, L. *Tansy*.
 § *vulgare*, L. *Common Tansy*. Road sides, &c. August.
Gnaphalium, L. *Cudweed*.
decurrens, Ives. Fields and pastures. Near Mansfield Mountain, *Robbins*. Highgate, *Tuckerman*. Bellows Falls, *Carey*. Burlington and Colchester, *Oakes*. August, Sept.
polycepalum, Michx. *Life everlasting*. Fields and pastures. August, Sept.
uliginosum, L. Low grounds. August, Sept.
Antennaria, R. Br.
margaritacea, R. Br. *Gnaphalium marg.* L. Pastures, &c. August, Sept.
plantaginica, R. Br. *Gnaph. plant.* L. Pastures, &c. April, May.
Senecio, L. *Groundsel*.
Balsamita, Muhl. Rocky banks. June.
obovatus, Muhl. Dry rocky banks, &c. Bennington and Pownal, *Robbins*. May, June.
aureus, L. *Bogs*, &c. June.
var. lanceolatus, *Oakes*, in Hovey's Mag. May, 1841. In a cedar swamp at Brownington, *Robbins*. July.
hieracifolius, L. *Fireweed*. Low grounds, &c. Aug.
Cirsium, *Thurn.* *Thistle*.
 § *lanceolatum*, Scop. *Cardus lanceolatus*, L. Road-sides, &c. July—Sept.
discolor, Spreng. *Cnicus discolor*, Muhl. Fields and woods. Aug.
pumilum, Spreng. *Cnicus odoratus*, Muhl. *Cardus pumilus*, Nutt. Pastures. Essex, *Robbins*. Bellows Falls, *Carey*. Sept., Oct.
muticum, Michx. *Cnicus glutinosus*, Big. Moist woods. August, Sept.
 § *arvense*, Scop. *Cnicus arvensis*, Hoff. *Canada Thistle*. Fields, meadows, roadsides, &c. July, Sept.
Onopordon, L. *Cotton Thistle*.
 § *Acanthium*, L. Dry pastures, &c. Williston and Grand Isle, *Robbins*.
Arctium, L.
Lappa, L. *Burdock*. Waste places. July—Sept.
Lactuca, *Thurn.* *Lettuce*.
elongata, Muhl. Along fences, &c. July.
var. sanguinea. L. *sanguinea*, Big. Dry pine woods. July, Aug.
Leontodon, L.
Taraxacum, L. *Dandelion*. Fields, gardens, &c.
Sonchus, L. *Sow thistle*.
oleraceus, L. *Common Sow thistle*. Gardens, &c. August, Sept.
var. spinulosus, *S. spinulosus*, Bigel. *S. oleraceus* E. Smith E. H., 3, 344. Pluk. t. 61, f. 5. Waste grounds, &c. Bellows Falls, *Carey*. Common in the east of Massachusetts, and apparently a starved variety of *S. oleraceus*, though the ochenia are also smoother than in the common variety.
floridanus ? L. *S. acuminatus*, Bigelow. Moist woods. August, Sept.
Hieracium, L. *Hawk-weed*.

- venosum*, L. Dry open woods, &c. June.
Marianum, Willd. Dry woods, &c. Aug.
Canadensis, Michx. *H. Kalmii*, Bigelow, &c. Borders of woods. Aug.
paniculatum, L. Dry woods. Aug.
Krigia, Schreber.
Virginica, Willd. Dry sandy pastures, &c. Middlebury, James. May—July.
Prenanthes, Vaill.
altissima, L. Shady banks, &c. August, Sept.
alba, L. Woods, &c. August, Sept.

ORDER LOBELIACEÆ. *The Lobelia Tribe.*

- Lobelia*, L.
Kalmii, L. Moist rocks and bogs. Brownington and Colchester, Robbins.
 Burlington, Carey, Macrae, Oakes. July, Aug.
Claytoniana, Michx. *L. pallida*, Muhl. Moist meadows. June.
Cardinalis, L. *Cardinal Flower*. Wet places. August, Sept.
inflata, L. *Indian Tobacco*. Fields, road-sides, &c. Aug.

ORDER CAMPANULACEÆ. *The Bell Flower Tribe.*

- Campanula*, L. *Bell Flower*.
rotundifolia, L. *Hare-bell*. Rocky banks, &c. June, July.
amplexicaulis, Michx. *C. perfoliata*, L. Dry ledges, &c. Middlebury, James.
 Fairhaven, Chandler. June, July.
aparinoides, Pursh. Wet meadows, &c. June, July.

ORDER ERICACEÆ. *The Heath Tribe.*

- Andromeda*, L.
polifolia, L. Sphagnous bogs, especially on the edges of ponds. May, June.
paniculata, L. *Pepper bush*. Swamps, &c. Pownal, Robbins. Bellows Falls,
 Carey. Ludlow, Washburn. June, July.
calyculata, L. Bogs, &c. May.
Arbutus, L.
Uva-ursi, L. *Bear berry*. Rocky hills, &c. April, May.
Gaultheria, L.
procumbens, L. *Partridge Berry*. Dry woods. June, July.
Rhododendron, L. *Rosebay*.
nudiflorum, Torr. *Azalea nudiflora*, L. *Wild Honeysuckle*. Swamps and moist
 woods. Middlebury, James. Pownal, Oakes. Fairhaven and
 Georgia, Robbins. Bellows Falls, Carey. Ludlow, Washburn.
 June.
viscosum, Torrey. *Azalea viscosa*, L. Swamps. Middlebury, James. July.
Canadense, Torrey. *Rhodora Can.*, L. Bogs, &c. Brattleboro', Robbins.
 Guildhall, Carey. May, June.
Kalmia, L.
latifolia, L. *Calico bush*. *High Laurel*. Rocky hills, &c. Rockingham, Carey.
 June, July.
angustifolia, L. *Sheep Laurel*. *Low Laurel*. Moist places. June, July.
glauca, Ait. Sphagnous bogs. May, June.
Epigæa, L.
repens, L. *Ground Laurel*. Sandy woods and on mountains. April, May.
Ledum, L.
latifolium, L. *Labrador Tea*. Bogs. On the summits of Camel's Hump and
 Mansfield mountains, Robbins and Tuckerman. May, June.
Vaccinium, L.
frondosum, L. *Dangleberry*. Woods. Middlebury, James. June.
resinosum, Ait. "*Huckleberry*," or *Black Whortleberry*. Dry woods, &c. May
 June.
corymbosum, L. *High Blueberry*. Swamps, &c. May, June.
Pennsylvanicum, Lam. *V. virgatum*, Ait. Big. *Low Blueberry*. Dry woods.
 Essex, Robbins. May, June.
tenellum, Ait. Big. *Low Blueberry*. Dry woods, pastures, &c. On the summits
 of Camel's Hump and Mansfield mountains, Robbins, Macrae,
 and Tuckerman. May, June.

CATALOGUE OF PLANTS.

- Canadense*, Richardson. *Low Blueberry*. Pastures, swamps, &c. Bellows Falls, *Carey*. Fairhaven, *Oakes*. May, June.
- uliginosum*, L. On the summits of Mansfield and Camel's Hump mountains. *Robbins*, *Tuckerman*, and *Macrae*. June.
- Vitis Idæa*, L. *Cowberry*. With the preceding, *R.*, *T.* and *M.* June, July.
- macrocarpon*, Ait. *Common Cranberry*. Bogs, &c. June.
- oxycoccus*, L. *Small Cranberry*. Bogs. On the summit of Mansfield mountain, *Robbins*. June, July.
- Lasierpa*, Torr.
- hispidula*, Torr. *Gaultheria serpyllifolia*, Pursh. Old pine woods and swamps. May, June.
- Pyrola*, L. *Winter green*.
- rotundifolia*, L. Woods. July.
- chlorantha*, Swartz. *P. asarifolia*, Torrey. Not of Michx. Old pine woods, &c. June, July.
- elliptica*, Nutt. Dry woods. July.
- secunda*, L. Old Pine woods, &c. June, July.
- uniflora*, L. Rare. In a cedar swamp, Brownington, *Robbins*. In Pine woods, Burlington and High Bridge, *Macrae*. In Charleston, with *calypso borealis*, *Carey*. July.
- umbellata*, L. *Pipsissewa*. Dry woods. July.
- maculata*, L. Dry woods. Middlebury, *James*. July.
- Monotropa*, L.
- uniflora*, L. *Indian Pipe*. Woods. July.
- Hypopithys*, Dillen. *Pine sap*.
- lanuginosa*, Nutt. *Monotropa lanuginosa*, Michx. Woods. July, Aug.
- Pteropora*, Nutt.
- andromedea*, Nutt. Dry rocky pine woods, near High Bridge, Colchester, *Robbins*, and Burlington, *Oakes*. Shady rich soil on the rocks of Sharpshin Point, Burlington, *Macrae*. July.

ORDER AQUIFOLIACEÆ. *The Holly Tribe.*

- Nemopanthes*, Raf.
- Canadensis*, Raf. *Ilex Canadensis*, Michx. Swamps, &c. May.
- Prinos*, L.
- verticillatus*, L. *Black Alder*. *Winter Berry*. Swamps. Middlebury, *James*. July.

ORDER OLEACEÆ. *The Olive Tribe.*

- Fraxinus*, L. *Ash*.
- sambucifolia*, Lam. *Black Ash*. Moist woods, Middlebury, *James*. Lyndon, *Carey*. In Vermont, *Tuckerman*. May.
- acuminata*, Lam. *F. Americana*, Michx. f. *White Ash*. Woods. May.
- pubescens*, Walter. *F. tomentosa*, Michx. f. *Red Ash*. Woods, &c. In Castleton, *Chandler*. In Burlington, and in Grand Isle, *Robbins*. May.

ORDER APOCYNACEÆ. *The Dog's-bane Tribe.*

- Apocynum*, L. *Dog's-bane*.
- androsaemifolium*, L. Borders of woods, by fences, &c. June, July.
- hypericifolium*, Ait? Pursh. Gravelly banks of ponds and rivers. June, July.

ORDER ASCLEPIADACEÆ. *The Milkweed Tribe.*

- Asclepias*, L. *Milkweed*.
- Syrriaca*, L. *Common Milkweed*. Along fences, &c. July.
- phytolaccoides*, Pursh. Woods, &c. July.
- incarnata*, L. Low grounds. July, August.
- obtusifolia*, Michx. Dry sandy soil. July.
- quadrifolia*, Jacq. Rocky woods. June.
- tuberosa*, L. *Pleurisy-Root*. Sandy fields, &c. Pownal, *Robbins*. Bellows Falls, *Carey*. July, August.
- debilis*, Michx. Shady dell near Burlington, *Macrae*. July.

ORDER GENTIANACEÆ. *The Gentian Tribe.**Gentiana*, L. *Gentian*.*saponaria*, L. *Soap-wort Gentian*. Moist thickets, &c. August, Sept.*quinqueflora*, L. Woods. Castleton, *Reed*. Pownal, *Robbins*. Rockingham, *Carey*. August.*crinita*, Frœl. Wet meadows. Sept., Oct.*Centaurella*, Michx.*Virginica*. *Sagina Virginica*, L. *Centaurella paniculata*, Michx. *C. autumnalis*, Pursh. Swamps, &c. Rockingham, *Carey*. August, Sept.*Menyanthes*, L.*trifoliata*, L. *Buckbean*. Bogs, &c. Burlington and Georgia, *Robbins*. Derby, *Carey*. Colechester, *Macrae*. May, June.ORDER CONVULVULACEÆ. *The Bindweed Tribe.**Convolvulus*, L. *Bind weed*.*sepium*, L. Moist borders of thickets, &c. July.*spithameus*, L. Dry sandy plains. July.*Cuscuta*, L. *Dodder*.*Americana*, L. Low grounds. August.

ORDER BORAGINACEÆ.

Lithospermum, L. *Gromwell*.§ *officinale*, L. Dry pastures, &c. Sudbury and Benson, *Chandler*. Middlebury, St. Albans, and South Hero, *Robbins*. Burlington, *Macrae*, *Oakes*. June, July.§ *arvense*, L. Corn *Gromwell*. Old wheat fields, &c. May.*Lycopsis*, L.§ *arvensis*, L. Road sides, &c., in dry soil. Pownal, *Reed*.*Echinosperrum*, Lehm.§ *Lappula*, Lehm. *Myosotis Lappula*, L. Road sides, &c. July, Aug.*Virginianum*, Lehm. Borders of thickets, road sides, &c. Bellows Falls, *Carey*. July.*Cynoglossum*, L. *Hound's Tongue*.§ *officinale*, L. Road sides, &c. May, June.*Virginianum*, L. Woods. Rare. June.

ORDER HYDROPHYLLACEÆ.

Hydrophyllum, L.*Virginianum*, L. Woods. June.*Canadense*, L. Woods. At the base of Mansfield mountain, and frequent in the south west of Vermont, *Robbins*. June.ORDER LABIATÆ. *The Mint Tribe.**Lycopus*, L. *Water Horehound*.*sinuatus*, Ell. *L. Europæus*, Pursh., not of Linn. Low grounds. Aug.*Virginicus*, L. Low grounds. Aug.*Mentha*, L. *Mint*.§ *Piperito*, L. *Peppermint*. Ludlow, *Washburn*.*borealis*, Michx.? Tor. Manual, Bigel. Wet grounds. Aug.*Canadensis*, L.? Torrey, Manual. Banks of rivers, &c. On the Hoosic, at Pownal, *Oakes*.§ *viridis*, L. *Spearmint*. Moist meadows, about springs, &c. July, Aug.*Monarda*, L. *Horsemint*.*fistulosa*, L. *M. allophylla*, Michx. *M. oblongata*, Ait. Dry rocky woods. At Middlebury, *James*. July, Aug.*Blephilia*, Raf.*hirsuta*, Raf. *Monarda hirsuta*, Pursh. In Castleton, *Branch*. In a wet meadow, Craftsbury, *Robbins*. In moist woods, Chester, *Oakes*. July, August.*Pycnanthemum*, Michx.*incanum*, Michx. *Mountain Mint*. Rocky woods. Cavendish, *Macrae*. Aug.*lanceolatum*, Pursh. Borders of thickets, &c. Pownal, *Robbins*. Bellows Falls, *Carey*. July, Aug.

CATALOGUE OF PLANTS.

- muticum*, Pursh. Pastures, &c. Pownal, *Robbins*. July, Aug.
Collinsonia, L.
Canadensis, L. *Horse-weed*. Shady banks, &c. Middlebury, *James*. Arlington,
Robbins. July, Aug.
Hedeoma, Pers.
pulegioides, Pers. *Penny-royal*. Pastures, &c. Middlebury, *James*. Bellows
Falls, *Carey*.
Melissa, L. *Balm*.
§ *Clinopodium*, Benth. *Clinopodium vulgare*, L. Rocky banks. July.
Prunella, L.
vulgaris, L. *Self Heal*. Pastures, &c. June—Sept.
Scutellaria, L. *Scullcap*.
lateriflora, L. *Common Scullcap*. Low grounds. Aug.
galericulata, L. Moist places. Aug.
parvula, Michx. *S. ambigua*, Nutt. Sharpshin Point, Burlington, *Macrae*.
July.
Lophanthus, Benth.
nepetoides, Benth. *Hyssopus nepetoides*, L. Thickets and along fences.
Middlebury, *James*. Rutland, *Branch*. Pownal, Bennington,
and Arlington, *Robbins*. July, Aug.
Nepeta, L.
§ *Cataria*, L. *Catnep*. Roadsides, &c. July, Aug.
§ *Glechoma*, Benth. *Glechoma hederacea*, L. *Ground Ivy*. Gill. On cultivated
grounds, &c. May, June.
Leonurus, L.
§ *Cardiaca*, L. *Motherwort*. Roadsides, &c. July, Aug.
Stachys, L. *Hedge Nettle*.
aspera, Michx. Old fields, &c. Grand Isle and South Hero, *Robbins*.
Burlington, *Macrae* and *Tuckerman*. July, Aug.
Galeopsis, L. *Hemp Nettle*
§ *Tetrahit*, L. Roadsides, &c. July, Aug.
§ *Ladanum*, L. Waste places, &c. Bellows Falls, *Carey*. July.
Teucrium, L. *Germander*.
Canadense, L. Low grounds. South Hero, *Robbins*. Bellows Falls, *Carey*.
Red Rocks, Burlington, *Macrae*. July, Aug.

ORDER SOLANACEÆ. The Night Shade Tribe.

- Solanum*, *Night Shade*.
§ *Dulcamara*, L. *Bitter-sweet*. Roadsides, &c. July, Aug.
§ *nigrum*, L. Cultivated grounds. July, Aug.
Physalis, L. *Ground Cherry*.
viscosa, L. Dry fields, &c. Pownal, *Robbins*. June, July.
Datura, L.
§ *Stramonium*, L. *Thorn Apple*. Waste grounds. July—Sept.
Hyoscyamus, L. *Henbane*.
§ *niger*, L. Roadsides, &c. Panton, *Burge*. Mount Independence, *Dr. Hill*.
June, July.

ORDER SCROPHULARIACEÆ. The Figwort Tribe.

- Verbascum*, L. *Mullein*.
§ *Thapsus*, L. *Common Mullein*. Old fields, &c. July, Aug.
Veronica, L. *Speedwell*.
§ *serpyllifolia*, L. Meadows and Pastures. May, June.
scutellata, L. Ditches, &c. June.
Beccatunga, L. *Brooklime*. In grounds wet by springs, &c. June.
Anagallis, L. *Water Speedwell*. Ditches, &c. Middlebury, *Burge*. June,
July.
peregrina, L. Cultivated grounds. Middlebury, *James*. May, June.
§ *arvensis*, L. Old fields, &c. May, June.
Virginica, L. Moist bank on Mr. U. H. Penniman's grounds, with *Trillium*
grandiflorum, Colchester, *Oakes*. Aug.
Linaria, Tourn. *Toad Flax*. *Snap Dragon*.
§ *vulgaris*, Mönch. *Antirrhinum Linaria*, L. Roadsides, &c. Manchester,
Robbins. July—Sept.

- Canadensis*, Spreng. Moist bare soils. Bellows Falls, *Carey*. July, Aug.
Scrophularia, L. Figwort.
Marilandica, L. Along fences, &c. Middlebury, *James*. Colchester, *Robbins*.
 July, Aug.
Mimulus, L. Monkey Flower.
ringens, L. Wet grounds. Aug.
Gratiola, L. Hedge Hyssop.
aurea, Muhl. Borders of Ponds, &c. Middlebury, *James*. August, Sept.
Lindernia, L.
Pyxidaria, L.
var. dilatata. L. *dilatata*, Muhl. Moist open grounds. Middlebury, *James*.
 Brattleboro' and West Haven, *Robbins*.
var. attenuata. L. *attenuata*, Muhl. Craftsbury and Cambridge, *Robbins*.
 July, Aug.
Chelone, L. Snake-head.
glabra, L. Borders of swamps, &c. August, Sept.
Pentstemon, L'Her.
pubescens, Ait. Rocky hills, &c. Middlebury, *James*. Castleton, *Chandler*.
 Benson, Prof. Woodward. Pownal, *Robbins*.
Gerardia, L.
tenuifolia, Vahl. Dry soil. Pownal and Brattleboro', *Robbins*. Bellows Falls,
Carey. Aug.
flava, L. Dry woods. Near Bellows Falls, *Carey*. Aug.
pedicularia, L. Dry woods, &c. Pownal, *Robbins*. Bellows Falls, *Carey*.
 August.
quercifolia, Pursh. Woods. Castleton and Pownal, *Robbins*.
Pedicularis, L. Lousewort.
Canadensis, L. Borders of woods, &c. May, June.
Castilleja, Mutis. *Bartsia*, L.
pallida, Kunth. *Bartsia pallida*, L. On the north side of Mansfield mountain,
 near the summit, *Tuckerman* and *Macrae*. July.
Melampyrum, L. Cow Wheat.
Americanum, Michx. Woods. June—Aug.

ORDER OROBANCHACEÆ. *The Broom-Rape Tribe.*

- Orobanche*, L. Broom-rape.
Americana, L. Woods. On White Creek, *Chandler*. Sharpshin Point,
 Burlington, *Macrae*.
uniflora, L. Woods. June.
Epiphegus, Nutt. Beech Drops.
Virginiana. *Orobanche Virginiana*, L. *Epiphegus Americanus*, Nutt. Woods,
 under beech trees. Sept.

ORDER VERBENACEÆ. *The Vervain Tribe.*

- Verbena*, L. Vervain.
hastata, L. Low grounds, roadsides, &c. July, Aug.
urticifolia, L. Roadsides, &c. July.
Phryma, L.
leptostachya, L. Woods and shady banks. Middlebury, *James*. South Hero
 and Arlington, *Robbins*. Bellows Falls, *Carey*. Burlington,
Oakes. July.

ORDER ACANTHACEÆ

- Justicia*, L.
Americana, Vahl. *J. pedunculosa*, Michx. In water. "At Ferrisburgh." Dr.
Paddock's herbarium in the Museum of the University at
 Burlington, the specimen thus ticketed, seen by Dr. Robbins.

ORDER LENTIBULACEÆ.

- Utricularia*, L. Bladder-wort.
vulgaris, L. In ditches, ponds, &c. Aug.
cornuta, Michx. Bogs, &c. Vermont, *Carey*. July, Aug.

ORDER PRIMULACEÆ. *The Primrose Tribe.**Trientalis*, L.*Americana*, Pursh. Wet woods and swamps. May, June.*Lysimachia*, L. *Loose-strife*.*thyrsiflora*, L. Swamps. Castleton, Chandler. Burlington, Macrae.*stricta*, Ait. Low grounds, &c. July.*quadrifolia*, L. Woods. June, July.*ciliata*, L. Borders of woods, &c. July.*hybrida*, Michx. Wet grounds. Ferrisburgh and South Hero, Robbins. July.*Samolus*, L. *Water Pimpernel*.*Valerandi*, L. Borders of rivers. Middlebury, James. July—Sept.ORDER PLANTAGINÆÆ. *The Plantain Tribe.**Plantago*, L. *Plantain*.§ *major*, L. *Common Plantain*. About houses, fields, &c. June—Sept.ORDER AMARANTHACEÆ. *The Amaranth Tribe.**Amaranthus*, L.§ *hybridus*, L. Gardens, &c. Aug.*Blitum* ? L. Cultivated and waste grounds. Pownal, Robbins. Aug.ORDER CHENOPODIACEÆ. *The Goosefoot Tribe.**Chenopodium*, L. *Goosefoot*.§ *album*, L. Gardens, fields, &c. July, August.§ *Botrys*, L. *Jerusalem Oak*. Sandy banks of Lake Champlain, &c. Alburgh, Robbins. Middlebury, James. Burlington, Oakes. Bellows Falls, Carey. July, August.§ *hybridum*, L. Waste grounds. August.§ *rubrum*, L. Cultivated grounds. Bennington, Robbins. August.*Blitum*, L.§ *capitatum*, L. *Strawberry Blite*. Road sides, &c. Hubbardton, Branch. Newport, Robbins. North Troy, Carey. June.

ORDER PHYTOLACEÆ.

Phytolacca, L.*decandra*, L. *Poke*. Waste places, &c. July—Oct.ORDER POLYGONACEÆ. *The Buckwheat Tribe.**Polygonum*, L. *Knotweed*§ *aviculare*, L. *Knot-grass*. About houses, &c. June—Oct.*Virginianum*, L. Rocky woods. Arlington and Castleton, Robbins. Waterbury, Macrae. July, August.*Hydropiper*, L. *Water Pepper*. Low grounds, ditches, &c. August.*mitis*, Pers. Wet places. West Haven, Robbins. Castleton, Chandler. July, August.§ *Persicaria*, L. Gardens, &c. July—Sept.*amphibium*, L. *var. natans*, Michx. Floating in water.*var. emersum*, Michx. Margin of ponds, &c. Aug., Sept.*Pennsylvanicum*, L. Low grounds, &c. July, August.*sagittatum*, L. *Scratch-grass*. Low grounds. August, Sept.*arifolium*, L. Swamps, &c. August, Sept.*scandens*, L. Fields, &c. July, August.*cilinode*, Michx. Woods, &c. July, August.§ *convolvulus*, L. Road sides. July, August.§ *Fagopyrum*, L. *Buckwheat*. Old fields, &c. July, August.*Rumex*, L. *Dock*.§ *crispus*, L. *Curled Dock*. Cultivated grounds. July, August.§ *obtusifolius*, L. Cultivated grounds. June, July.*verticillatus*, L. In water. July.§ *Acetosella*, L. *Sheep Sorrel*. Pastures and cultivated grounds. May—July.

ORDER LAURACEÆ. *The Cinnamon Tribe.**Laurus, L.**sassafras, L.* Common Sassafras. Woods, &c. Pownal, Robbins. May.
Benzoin, L. Fever Bush. Swamps, &c. Bellows Falls, Carey. May.ORDER ELEAGNACEÆ. *The Olcaster Tribe.**Shepherdia, Nutt.**Canadensis, Nutt.* Rocky banks of Lake Champlain, &c. May.ORDER THYMELACEÆ. *The Mezereum Tribe.**Dirca, L.* Leather-wood.*palustris, L.* Moist woods. April, May.ORDER SANTALACEÆ. *The Sanders-wood Tribe.**Nyssa, L.**multiflora, Walt.* *N. sylvatica, Michx. f. N. villosa, Willd.* Tupelo, or Sour Gum. Woods and swamps. Craftsbury, Robbins. June.*Comandra, Nutt.**umbellata, Nutt.* *Thesium umb., L.* Borders of woods, &c. June.ORDER ARISTOLOCHIACEÆ. *The Birthwort Tribe.**Asarum, Tourn.**Canadense, L.* Wild Ginger. Rocky woods. May.ORDER EMPETRACEÆ. *The Crowberry Tribe.**Empetrum, L.**nigrum, L.* Crowberry. Summit of the Mansfield and Camel's Hump Mountains, Robbins, Tuckerman and Macrae. June, July.ORDER EUPHORBIACEÆ. *The Spurge Tribe.**Acalypha, L.* Three-seeded Mercury.*Virginica, L.* Fields and road sides. Middlebury, James.*Euphorbia, L.* Spurge.§ *Helioscopia, L.* Waste ground, &c. In Addison county, Burge. July, Aug.§ *platyphylla, L.* *E. obtusata?* Pursh. Road sides, &c. Benson, Chandler.
Vergennes, South Hero, and Grand Isle, Robbins. Aug.*maculata, L.* Sandy fields, &c. July—Sept.*hypericifolia, L.* Dry sandy fields, &c. Burlington, Tuckerman. Aug., Sept.ORDER URTICACEÆ. *The Nettle Tribe.**Urtica, Tourn.* Nettle.*pumila, L.* Shady places. July, August.§ *dioica, L.* Road sides, &c. July.*Canadensis, L.* Shady, moist woods, &c. July, August.*Parietaria, Tourn.* Pellitory.*Pennsylvanica, Muhl.* Shady rocks. Fair Haven, Robbins. Extremity of Sharpshin Point, Burlington, Macrae. July.*Bœhmeria, Willd.**cylindrica, Willd.* Swamps, &c. Bellows Falls, Carey. July, Aug.*Cannabis, Tourn.* Hemp.§ *sativa, L.* Waste places. June, July.*Humulus, L.* Hop.§ *Lupulus, L.* Borders of thickets, &c. Middlebury, Burge. Castleton, Robbins. August.*Morus, Tourn.* Mulberry.*rubra, L.* Red Mulberry. Banks of rivers, woods, &c. Pownal, Oakes. May.

ORDER AMENTACEÆ.

SUB-ORDER CUPULIFERÆ.

Carpinus, L. Hornbeam.*Americana, Michx.* Woods. May.*Ostrya, Scop.* Hop Hornbeam.*Virginica, Willd.* *Carpinus ostrya, Michx. f. t.* Iron-wood. Woods. May.

Corylus, Tourn. *Hazel Nut*.

Americana, Walt. *American Hazel Nut*. Thickets, &c. April.
rostrata, Ait. *Beaked Hazel Nut*. Shady banks, &c. April.

Fagus, Tourn. *Beech*.

sylvestris, Michx. and Michx. f. t. *White Beech*. Woods. May.
ferruginea, Ait? Michx. f. t. *Red Beech*. Woods. May.

Castanea, Gært. *Chestnut*.

vesca, Gært. var. *Americana*, Michx. *Chestnut*. Woods. July.

Quercus, L. *Oak*.

tinctoria, Bartram. *Black oak*. Woods. May.

rubra, L. *Red oak*. Woods. May.

ilicifolia, Wang. *Q. Banisteri*, Michx. *Scrub Oak*. Barren plains, &c.
Bellows Falls, Carey. May.

macrocarpa, Michx. *Over-cup White Oak*. Woods, &c. Burlington, Colchester,
St. Albans, Grand Isle, South Hero, Shoreham, West Haven
and Bennington, Robbins. This is perhaps *Q. oliviformis*
of Dr. James' catalogue.

alba, L. *White Oak*. Woods. May, June.

bicolor, Willd. *Q. Prinos discolor*, Michx. fil. *Swamp White Oak*. Wet
woods. May.

montana, Willd. *Q. Prinos monticola*, Michx. f. t. *Rock Chestnut Oak*. Rocky
woods. Bennington, Robbins. May.

chinquapin, Pursh. *Dwarf Chestnut Oak*. Dry hills, &c. Pownal, Robbins.
May.

coccinea, Wangerheim. *Scarlet Oak*. Woods. May.

SUB-ORDER BETULEÆ. *The Birch Tribe.*

Betula, Tourn. *Birch*.

populifolia, Ait. *Small White Birch*. About barren fields, woods, &c. May.

papyracea, Ait. *Large White Birch*. *Canoe Birch*. Woods. May.

lenta, L. *Black Birch*. *Sweet Birch*. *Cherry Birch*. Woods. May.

excelsa, Ait. *B. lutea*, Michx. f. *Yellow Birch*. Woods. May.

Alnus, Willd. *Alder*.

serrulata, Willd. *Common Alder*. Swamps, &c. April.

glauca, Michx. f. sylv. t. Swamps, &c. April.

crispa, Hook. *Betula Alnus crispa*, Ait. Near the summit of Camel's Hump
and Mansfield mountains, Robbins. June.

SUB-ORDER SALICINÆÆ. *The Willow Tribe.*

Salix, Tourn. *Willow*.

candida, Willd. Pursh. In a sphagnous swamp on the borders of Lake
Bombezin, Hubbardton, Robbins. April.

Mahlenbergiana, Willd. Dry woods, &c. Bellows Falls, Carey. April, May.

pedicellaris, Pursh. Bogs and swamps. Burlington, Robbins. *Macrae*. May.

conifera, Wang. Wet thickets, &c. April.

rostrata, Richardson. Borders of thickets, &c. Bellows Falls, Carey. April,
May.

nigra, Marshall. Banks of streams, &c. May.

lucida, Muhl. Borders of swamps, &c. May.

cordata, Muhl. Low wet grounds. April, May.

rigida, Muhl. Low wet grounds, &c. Bellows Falls, Carey. April, May.

grisea, Willd. Borders of swamps, &c. April, May.

§ vitellina, L. Road sides, &c. May.

Uva-ursi, Pursh. On the summit of Mansfield Mountain, Robbins. June.

Populus, Tourn. *Poplar*. (According to Michaux's Sylva.)

balsamifera, Michx. Michx. f. Sylv. t. *Balsam Poplar*. Woods and banks of
rivers, &c. Pownal, Oakes. Westhaven, Robbins. April.

candicans, Ait. Michx. f. Sylv. t. *Heart-leaved Balsam Poplar*. South Hero,
Grand Isle, Cambridge, Jericho, &c., Robbins. Burlington,
Macrae, Oakes. April.

Canadensis, Michx. f. Sylv. t. *Cotton Wood*. *Cotton Poplar*. Banks of rivers,
&c. On the Hoosic, Pownal, Oakes.

monilifera, Ait. Michx. f. Sylv. t. *Vermont Poplar*. Banks of rivers, lakes,
&c. In Orwell, Branch, Chandler. In Pownal, Brattleboro',

- North Hero, South Hero, Alburgh, Johnson, and Hyde Park,
Robbins. Burlington, *Oakes*. April.
tremuloides, Mich. Michx. f. Sylv. t. *American Aspen*. Woods. April.
grandidentata, Michx. Michx. f. Sylv. t. *Large Aspen*. Woods. April, May.

SUB-ORDER MYRICEÆ. *The Gale Tribe.*

- Comptonia*, Banks.
asplenifolia, Ait. *Sweet Fern*. Dry hills and plains. April, May.

SUB-ORDER PLATANÆ. *The Plane Tribe.*

- Platanus*, L. *Plane Tree*.
occidentalis, L. *Button Wood*. *Sycamore*. Banks of rivers, &c. May.

ORDER ULMACEÆ. *The Elm Tribe.*

- Ulmus*, L. *Elm*.
Americana, L. *Common Elm*. Woods, banks of rivers, &c. April.
fulva, Michx. *Slippery Elm*. Woods, banks of rivers, &c. April.
racemosa, Thomas in Sill. Journal, 1829. *Northern Cork Elm*. Moist woods,
 &c. Bennington and Pownal, *Robbins*.
Celtis, L. *Hackberry*.
occidentalis, L. *Hoop Ash*. Woods, &c. Burlington, *Robbins*. May.

ORDER JUGLANDACEÆ. *The Walnut Tribe.*

- Juglans*, L. *Walnut*.
cinerea, L. *Butter Nut*. *Oil Nut*. Woods, &c. May, June.
Carya, Nuttall. *Hickory*. *Juglans*, L.
alba, Nutt. *Juglans alba*, L. *J. squamosa*, Michx. f. not *J. alba*, Willd., Bigel.
Shell-bark or Shag-bark Hickory. Woods. May, June.
porcina, Nutt. *J. porcina*, Michx. f. Sylv. t. *J. glabra*, Muhl., Bigelow. *Pig*
Nut. Woods. Middlebury, *James*. May, June.
amara, Nutt. *J. amara*, Michx. f. Sylv. t. *Bitter Pig Nut*. Woods. Colchester,
Robbins. Burlington, *Carey*, *Macrae*. May, June.

CLASS II. GYMNOSPERMS.

ORDER CONIFERÆ. *The Fir Tribe.*

- Pinus*, L. *Pine*.
resinosa, Ait. *P. rubra*, Michx. f. Sylv. t. *Red Pine*. "Norway Pine," a bad
 name, as it is not found in Norway. Dry barren woods. June.
rigida. *Pitch Pine*. Woods, in poor soil. June.
Strobus, L. *White Pine*. Woods and swamps. June.
nigra, Ait. *Black or Double Spruce*. Woods and swamps. May, June.
alba, Ait. *White or Single Spruce*. Woods and swamps. May, June.
balsamea, L. *Balsam Fir*. *Silver Fir*. Mountain woods, &c. June.
var. Fraseri. *P. Fraseri*, Pursh. Near the summits of Mansfield and
 Camel's Hump Mountains, *Robbins*, *Tuckerman*, and *Macrae*.
 Essex, *Macrae*.
Canadensis, L. *Hemlock Spruce*. Rocky woods, &c. May, June.
pendula, Ait. *Larix Americana*, Michx. *American Larch*. *Hackmatack*. *Tam-*
arack. Woods and swamps. May, June.
Thuja, Tourn. *Arbor Vitæ*.
occidentalis, L. *American Arbor Vitæ*. "White Cedar." In swamps and rocky
 woods. May.
Juniperus, L. *Juniper*.
Virginiana, L. *Red Cedar*. *J. prostrata*, James? Dry rocky woods, &c. May.
communis, L. *Common Juniper*. Dry rocky pastures, &c. May.
Taxus, Tourn. *Yew*.
Canadensis, Willd. *American Yew*. *Ground Hemlock*. Swamps, &c. May.

ORDER CALLITRICHACEÆ.

- Callitriche*, L.
vernalis, L. *C. autumnalis*, L. *C. terrestris*, Raf. In water, and on moist soil
 on the margins of ponds, &c. May—Sept.

CLASS III. ENDOGENS OR MONOCOTYLEDONS.

ORDER IRIDACEÆ. *The Iris Tribe.*

Sisyrinchium, L. *Blue-eyed Grass*.

anceps, Cavan. Meadows. Burlington, *Macrae*.

var. mucronatum, Dry soil. Burlington, *Macrae*. Bellows Falls, *Carey* June.

Iris, L.

versicolor, L. *Blue Flag*. Wet meadows, &c. July.

ORDER HYDROCHARACEÆ. *The Frog-bit Tribe.*

Udora, Nutt.

Canadensis, Nutt. *Elodea Canadensis*, Michaux. *Serpicula occidentalis*, Pursh. In water. Middlebury, *James*. At the mouths of Winooski river and Otter Creek, and in lake Memphremagog, *Robbins*. August.

Valisneria, Michx.

spiralis, L. *V. Americana*, Michx. In lakes and slow flowing water. Middlebury, *James*. At the mouth of Winooski river, in Castleton river, in lake Champlain near the mouth of the Lamoille, in Shoreham, and in the Connecticut at Brattleboro', *Robbins*, August, Sept.

ORDER ORCHIDACEÆ. *The Orchis Tribe.*

Orchis, L.

Sect. 1. *Orchis*.

spectabilis, L. Woods. May, June.

Sect. 2. *Habenaria*, Willd.

orbiculata, Pursh. Woods. Leaves flat on the ground. June, July.

Hookeriana, *Habenaria Hookeriana*, Torrey. Woods. June.

blephariglottis, Willd. "Sphagnous margin of a closely shaded pond in North Troy, *Carey*. Aug.

hyperborea, L. *H. Huronensis*, Spreng. Swamps, &c. Base of Mansfield mountain, and Burlington, *Macrae*. July.

var. dilatata, *O. dilatata*, Pursh. Swamps, &c. July.

psycodes, L. not of Bigelow, &c. *O. fimbriata*, Ait. Wet meadows, &c. July, August.

grandiflora, Bigelow. Wet meadows, &c. July.

lucida, Michx. *O. psycodes*, Willd. Big. &c., not of L. Bogs, &c. Middlebury, *James*. July.

ciliaris, L. Swamps, &c. Middlebury, *James*. Aug.

obtusata, Pursh. High mountains and sphagnous swamps at the North. In Charleston, with the *Calypso*, *Carey*. Brownington, *Robbins*. July.

viridis, Swartz. *O. bracteata*, Muhl. Woods. May, June.

tridentata, Muhl. On the east side of Mansfield mountain, *Macrae*. July.

flava, L. *Habenaria herbiola*, Brown. Burlington, *Macrae*.

Microstylis, Nutt. *Malaxis*, Swartz.

ophioglossoides, Nutt. Woods. July, August.

monophyllos, Lindl. *M. brachypoda*, Gray. *Ophrys monophyllos*, L. In Vermont, probably near Castleton, *Chandler*. July.

Liparis, Richard. *Malaxis*, Swartz.

liliifolia, Richard. Hills near Bellows Falls, *Carey*. June, July.

Laseli, Richard. *Malaxis lorreana*, Barton. Boggy soil, &c. July.

Aplectrum, Nuttall.

hyemale, Nutt. *Cymbidium hyemale*, Muhl. Woods. Middlebury, *James*. Near Castleton, *Chandler*.

Corallorhiza, Haller.

innata, R. Brown. *C. verna*, Nutt. Sphagnous swamps. May, June.

multiflora, Nutt. Pine woods, &c. August, Sept.

odontorhiza, Nutt. Woods. Bellows Falls, *Carey*. Sept.

Arethusa, L.

bulbosa, L. Bogs. Hubbardton, *Robbins*. Near Burlington, *Macrae*.

Pogonia, Juss.

- ophioglossoides*, R. Brown. Bogs. Near Burlington, *Robbins, Macrae*. July.
verticillata, Nutt. Woods. Near High Bridge, Colchester, *Robbins, Oakes*.
 May, June.

Triphora, Nuttall.

- pendula*, Nutt. In a dry wood of beech, birch, &c., on a hill south of Fair Haven village, *Chandler*. August.

Calopogon, R. Brown.

- pulchellus*, R. Brown. Bogs. July.

Spiranthes, Richard. Neottia, Swartz.

- cernua*, Richard. Moist grounds, &c. August, Sept.
gracilis, Hook. *N. gracilis*, Big. Dry woods. Colchester, *Robbins*. Burlington, *Macrae*. July.
astivalis, Rich. *Neottia astivalis*, Lam. *N. cernua*, var. *latifolia*, Torrey. Moist woods, banks of rivers, &c. Burlington, *Macrae*.
 Bellows Falls, *Carey*. June.

Goodyera, R. Brown.

- pubescens*, R. Brown. Woods. July, August.
repens, R. Brown. Old woods. July.

Listera, R. Brown.

- cordata*, R. Brown. On high mountains and in sphagnous swamps. Fairhaven, *Chandler*. Near the summit of Mansfield Mountain and Camel's Hump, *Robbins, Tuckerman* and *Macrae*. North Troy, *Carey*. June, July.

- convallarioides*, Nutt. In Charleston, with *Calypso borealis*, *Carey*.

Calypso, Salisbury.

- bulbosa*. *Cypripedium bulbosum*, L. *Calypso borealis*, Salisbury. In a dark sphagnous wood or swamp on the line between Charleston and Morgan, the entrance to which is opposite the house of Mr. Charles Cummings. *Carey*.

Cypripedium, L. Lady's Slipper.

- pubescens*, Willd. *C. parviflorum*, Ait. *Yellow Lady's-Slipper*. Dry woods and in swamps. May, June.
acaulis, Ait. *Red Lady's-Slipper*. Dry woods, and also in swamps. May, June.
spectabile, Swartz. *White Lady's-Slipper*. Swamps. June, July.
arietinum, Ait. Dry woods and sphagnous swamps. In the cedar swamp at Fair Haven, *Chandler, Robbins*. In Grand Isle, and in dry woods near High Bridge, Colchester, *Robbins*. Burlington, *Carey, Macrae*, and *Oakes*.

ORDER PONTEDERIACEÆ.

Pontederia, L.

- cordata*, L. *Pickered-weed*. In water. July, August.

Schollera, Schreber.

- graminifolia*, Muhl. Middlebury, *James*. In Otter Creek near its mouth, *Robbins*. In Castleton River, *Chandler*. July, August.

ORDER MELANTHACEÆ. *The Colchicum Tribe.**Veratrum, Tournef. White Hellebore.*

- viride*, Ait. Swamps, &c. June.

ORDER TRILLIACEÆ.

Trillium, L.

- erythrocarpum*, Michx. *T. pictum*, Pursh. Woods and swamps. May.
erectum, L. Woods. May.
grandiflorum, Salis. Woods, shady banks and swamps in the west of Vermont, from Pownal to Alburgh, *Robbins*. May, June.
cernuum, L. Woods. Castleton, *Branch, Robbins*. May.
Medeola, L. Indian Cucumber.
Virginica, L. Woods, &c. June, July.

ORDER LILIACEÆ. *The Lily Tribe.**Lilium, L. Lily.*

- Philadelphicum*, L. *Wild Red Lily*. Pastures, &c. July.
Canadense, L. *Wild Yellow Lily*. Moist meadows. July.

- Erythronium*, L. *Dog's-tooth Violet*.
Americanum, Smith. Moist grounds, &c. May, June.
- Allium*, L. *Onion and Garlic*.
tricoccum, Ait. *Wild Onion or Leek*. Woods. July.
- Convallaria*, L. *Lily of the Valley*. *Solomon's Seal*.
pubescens, Willd. Woods. May, June.
bifolia, L. Woods. May.
stellata, L. Moist meadows and banks. May, June.
trifolia, L. Sphagnous swamps and bogs. May, June.
racemosa, L. Rocky woods, &c. June.
borealis, Torr. *Dracena borealis*, Ait, not *C. umbellulata*, Michx. Woods. June.
- Streptopus*, Michx.
roseus, Michx. Woods, especially on mountains. May, June.
amplexifolius, var. *Americanus*, Gray. *Uvularia amplexifolia*, L. *S. distortus*, Michx. Mountain woods. On the sides of Mansfield and Camel's Hump, *Robbins*, *Macrae*, and *Tuckerman*. Newport and Danville, *Carey*. June, July.
- Uvularia*, L. *Bellwort*.
grandiflora, Smith. Woods. May.
sessilifolia, L. Woods. May.

ORDER ALISMACEÆ. *The Water Plantain Tribe.*

- Sagittaria*, L. *Arrow-head*.
sagittifolia, L. Ditches, ponds, &c. July, August.
- Alisma*, L.
Plantago, L. *Water Plantain*. In water. July, August.

ORDER JUNCÆ. *The Rush Tribe.*

- Luzula*, DC. *Juncus*, L. *Wood Rush*.
campestris, DC. Woods, pastures, &c. May.
pilosa, Willd. Woods and swamps. May.
parviflora, L. *melanocarpa*, Desv. *Juncus parviflorus*, Retz. At the base of Mansfield Mountain, *Robbins*. On the Chin of Mansfield and on Camel's Hump, *Macrae* and *Tuckerman*. June, July.
- Juncus*, L. *Rush*.
effusus, L. Wet meadows, &c. June, July.
filiformis, L. On the summits of Camel's Hump and Mansfield Mountains, and on the shore of Lake Champlain at Ferrisburgh, *Robbins*. June, July.
nodosus, L. Wet meadows, &c. June.
tennis, Willd. Low grounds, &c. June, July.
acuminatus, Michx. Margins of ponds, &c. Burlington, *Macrae*, *Oakes*.
bufonius, L. Low grounds, &c. July.
trifidus, L. On the summit of Mansfield Mountain, *Robbins*, and of Camel's Hump, *Tuckerman* and *Macrae*. June.

ORDER RESTIACEÆ.

- Eriocaulon*, L. *Pipewort*.
septangulare, With. *E. pellucidum*, Michx. Borders of ponds, generally in the water. Seymour's pond, Morgan, and Minaud's pond, Rockingham, *Carey*. August, Sept.

ORDER SMILACEÆ. *The Smilax Tribe.*

- Smilax*, L.
rotundifolia, L. *Green Briar*. Woods and thickets. June.
herbacea, L. *S. peduncularis*, Muhl. Borders of woods, &c. June.

ORDER ARACEÆ. *The Arum Tribe.*

- Arum*, L.
Dracontium, L. *Dragon-root*. Moist grounds. Shoreham, *Robbins*. May, June.
triphyllum, L. *Indian Turnip*. Shady banks and swamps. May, June.
- Peltandra*, *Rafinesque*.
Virginica, Raf. *Calla Virginica*, Michx. In water on the borders of ponds and rivers. Colchester pond, *Robbins*. June, July.
- Calla*, L.
palustris, L. Swamps. Middlebury, *James*. Fair Haven and Whiting, *Robbins*. Bellows Falls, and Guildhall, *Carey*. July.

Symplocarpus, Salisbury. Skunk Cabbage.

fatidas, Nutt. Potos fatida, L. Wet meadows and swamps. April.

Acorus, L.

Calamus, L. Sweet Flag. Wet meadows, &c. June.

ORDER TYPHACEÆ. *The Cat's-tail Tribe.*

Typha, Tourn. Cat's tail. Reed Mace,

latifolia, L. Ditches, pools, &c. July.

Sparganium, Tourn. Burr Reed.

ramosum, L. In ditches, &c. June, July.

simplex, Hudson. S. Americanum, Nutt. Borders of streams, &c. July.

ORDER FLUVIALES.

Najas, L.

Canadensis, Michx.

var. fragilis. Caulinia fragilis, Willd. Middlebury, James.

var. flexilis. Caulinia flexilis, Willd. In water three feet deep at the mouth of Otter Creek. Ferrisburgh, Robbins. July, Aug.

Zannichellia, Michx.

palustris, L. In shallow water, in Lake Champlain, at South Hero. Robbins.

Potamogeton, L. Pondweed.

notans, L. Ponds, and slow flowing waters. July, August.

heterophyllum, Schreber. Ponds, and slow streams. August.

diversifolium, Barton. Ponds, &c. In Lake Champlain at South Hero, Robbins. July.

perfoliatum, L. Ponds, &c. August.

lucens, L. Ponds, &c. August.

compressum, L. Rivers, ponds, &c. July, August.

pauciflorum, Pursh. P. gramineum, Michx. Ponds, &c. July, August.

pectinatum, L. Ponds, &c. July.

The species of *Potamogeton* as above are all according to Torrey's *Flora of the Northern States*, vol. I, p. 196.

ORDER JUNCAGINACEÆ. *The Arrow-Grass Tribe.*

Scheuchzeria, L.

*palustris, L. Sphagnum swamps and bogs. In Georgia, Chandler. At the southern end of Colchester Pond, Robbins. In North Troy, with *Orchis blephariglottis*, Carey. June.*

ORDER PISTIACEÆ. *The Duckweed Tribe.*

Lemna, L. Duckweed.

polyrhiza, L. Ditches, &c.

minor, L. Ditches, &c. At North Hero, Robbins.

trisulca, L. Ditches, ponds, &c. At North Hero, Robbins.

ORDER CYPERACEÆ. *The Sedge Tribe.*

Dulichium, Richard.

spathaceum, Rich. Borders of ponds, &c. July, August.

Cyperus, L.

diandrus, Torr. var. castaneus, Torr. Margins of ponds, &c. August.

strigosus, L. Low moist grounds. August.

repens, Elliot. C. phymatodes, Muhl. Wet sandy soil. In South Hero, West Haven, and on the banks of Otter Creek, Ferrisburgh, Robbins. August.

filiculmis, Vahl. C. mariscoides, Ell. Dry sands. August.

inflexus, Muhl. C. uncinatus, Pursh. Sandy shores of rivers and lakes. Aug.

Eleocharis, R. Brown. Scirpus, L.

palustris, R. Brown. Wet places, ditches, &c. May, June.

obtus, Schultes. Scirpus capitatus of American authors, not of Linnæus. Ditches and margins of ponds. June, July.

aricularis, R. Brown. Margins of ponds, &c. June.

tenuis, Schultes. Margins of ponds, &c. June.

Scirpus, L. Club Rush.

lacustris, L. S. acutus, Muhl. Bulrush. In water on the borders of lakes, ponds, &c. July.

- triqueter*, L. Wet places, borders of rivers, &c. July.
atrocivens, Muhl. Moist meadows, &c. July.
brunneus, Muhl. Swampy grounds. Pownal, *Robbins*. August.
Eriophorum, Michx. Wet meadows, ditches, &c. August.
- Eriophorum*, L. *Cotton Grass*.
alpinum, L. Bogs. Brownington, *Robbins*. Danville, *Carey*. May, June.
vaginatum, L. Bogs. June, July.
Virginicum, L. Bogs. July, August.
polystachyon, L. Bogs. May, June.
angustifolium, Reichard. *E. gracile*, Roth. Bogs. May, June.
- Isoplepis*, *R. Brown*. *Scirpus*, L.
capillaris, Röm. and Sch. Dry sands. Bellows Falls, *Carey*. August.
- Rhynchospora*, *Vahl*.
glomerata. Moist pastures, &c. Bellows Falls, *Carey*. July, August.
- Carex*, *Michx*. *Sedge*.
disperma, Dewey. Sphagnum swamps.
rosea, Schk. Woods and shady banks.
cephalophora, Muhl. Woods, &c.
sparganioides. Muhl. Moist shady banks, &c.
stipata, Muhl. Wet meadows.
bromoides, Schk. Moist woods, &c.
vulpinoidea, Michx. *C. multiflora*, Muhl. Moist pastures, &c.
paniculata, var. *teretiuscula*, Wuhl. Bogs.
siccata, Dewey. Moist banks, &c. Burlington, *Macrae*.
trisperma, Dewey. Bogs and swamps.
Deweyana, Schw. Woods, &c.
tenuiflora, Wuhl. Cedar and other swamps. In Salem, in a shady swamp near a small pond at the head of Lake Memphremagog, also in Burlington, *Robbins*. On the western side of the great cedar swamp at Fair Haven, *Oakes*.
stellulata, Good. *C. scirpoides*, Schk. *C. sterilis*, Willd. Wet meadows and swamps.
curta, Good. Swamps.
scoparia, Schk. Wet meadows.
var. *lagopodioides*. *C. lagopodioides*, Willd. Wet meadows.
festucacea, Schk. Moist woods and meadows.
aurea, Nutt. Moist rocky ledges, &c. Pownal, Burlington and Colchester, *Robbins*. Bellows Falls, *Carey*.
saxatilis, L. Summits of Mansfield and Camel's Hump mountains, *Robbins*, *Tuckerman* and *Macrae*.
cespitosa, L. Wet meadows, &c.
acuta, L. Wet meadows.
crinita, Lam. Wet shady banks, &c.
leucoglochkin, Ehr. *C. pauciflora*, Willd. Bogs, especially at the north, and on mountains. At Colchester pond, *Robbins*. At North Troy, with *Orchis blephariglotis*, *Carey*.
polytrichoides, Muhl. Swamps, &c.
pedunculata, Muhl. Woods, &c.
squarrosa, L. In a low wet wood on the margin of Otter Creek, Ferrisburgh, *Robbins*.
gracillima, Schw. Wet meadows and woods. Burlington, *Carey*. Colchester, *Macrae*.
vestita, Willd. Borders of woods, &c. Middlebury, *James*.
Pennsylvanica, Lam. *C. varia* and *marginata*, Muhl. Woods.
Emmonsii, Dewey. *C. alpestris*, Torr. and Schw. *C. Davisii*, Dewey. Bellows Falls, *Carey*.
oligocarpa, Schk. Woods.
taxiflora, Lam. Woods, &c. Castleton, *Robbins*.
granularis, Muhl. Moist shady rocks. Burlington, *Oakes*.
eburnea, Boott. *C. alba*, Dewey. Limestone rocks. On the rocks at High Bridge, Colchester, and at Grand Isle, South Hero, West Haven and Pownal, *Robbins*.
anceps, Muhl. Woods and shady banks.
plantaginæa, Lam. Woods.
sylvatica, Huds. Woods, especially on mountains.

- flata*, L. Wet meadows. Sutton, Carey.
intumescens, Rudge. *C. folliculata* of Schk., not of Linn. Wet woods.
lupulina, Muhl. Wet meadows and woods.
tentaculata, Muhl. Wet meadows.
retroscia, Schw. Swamps, &c.
ballata, Schk. Wet meadows, &c. South Hero, Robbins.
vesicaria, L. *C. ampullacea*, Dewey. *C. utriculata*, Boott. Wet meadows, &c.
lacustris, Willd. Borders of ponds, &c.
scabrata, Schw. Swamps, &c.
hystericina, Muhl. Wet meadows.
Pseudo-cyperus, L. Ditches and margins of ponds.
longirostris, Torrey. Shady ledges, &c. On the sides of Camel's Hump, and at Castleton, Robbins. Rocky banks of Saxton's river, near Bellows Falls, Carey.
limosa, L. Bogs, especially at the the north.
milinea, Muhl. Moist banks, &c.
pallascens, L. Wet meadows, &c.
umbellata, Schk. Rocky hills, &c. Summit of Mansfield mountain, Robbins.

ORDER GRAMINEÆ. The Grass Tribe.

(Mostly according to Torrey's Flora of the Northern States, Vol. I.)

Agrostis, L. Bent Grass.

- § *vulgaris*, Smith. Red-top. Meadows, pastures, &c. June—Aug.
 § *alba*, L. Meadows, pastures, &c. June—Aug.
lateriflora, Michx. Moist meadows, sides of hills, &c. August, Sept.
sobolifera, Muhl. Rocky shady hills, &c. August, Sept.
tenuiflora, Willd. Rocky shady hills, &c. July, Aug.
sylvatica, Torrey. Dry rocky hills, &c. August.
canina, L.
 var. *alpina*, Oakes. *Agrostis rupestris*, Gray in Sill. Jour., vol 42 On the summit of Camel's Hump mountain, Robbins, Tuckerman and Macrae. July This variety is common on the White Mountains, and is connected with the common variety, which is abundant in Essex county, Massachusetts, by several intermediate forms, found at the base and on the sides of the White Mountains.

Cinna, L.

- arundinacea*, Willd. Wet woods, &c. August, Sept.

Polypogon, Desfontaines.

- racemosus*, Nutt. *P. glomeratus*, Willd. Wet meadows, &c. Aug., Sept.

Brachyelytrum, P. de Beauv.

- aristatum*, P. de B. *Muhlenbergia erecta*, Roth. Woods, &c. June, July.

Alopecurus, L. Fox-tail Grass.

- § *pratensis*, L. Moist meadows, &c. Bellows Falls, Carey. May, June.
geniculatus, L. Wet meadows, &c. June.

Phleum, L. Cat's-tail Grass.

- § *pratense*, L. Horn's Grass, Timothy. Fields, &c. July, August.

Phalaris, L. Canary Grass.

- § *Cavariensis*, L. Pastures, &c. Cavendish, Macrae. July.

Milium, L. Millet Grass.

- effusum*, L. Woods, &c. Banks of Saxton's river, Bellows Falls, Carey. July.
panicum, Torr. Dry rocky woods, &c. May.

Piptatherum, P. de Beauv.

- nigrum*, Torr. Shady ledges, &c. August.

Oryzopsis, Michx.

- asper folia*, Michx. Woods, especially on mountains. May, June.

Panicum, L. Panic Grass.

- § *Crus-Galli*, L. Cultivated grounds, &c. July—Sept.
clandestinum, L. *P. pedunculatum*, Torrey. Woods. July.
latifolium, L. Sandy woods, &c. July.
dichotomum, L. *P. nitidum*, Lam. Low grounds. July.
depauperatum, Muhl. *P. rectum*, Roemer and Shultes Sandy soils. Bellows Falls, Carey. Burlington, Macrae, July.
xanthophysum, Gray. Sandy woods, &c. Burlington, Carey. June, July.
capillare, L. Sandy fields and cultivated grounds. August, Sept.

Setaria, *P. de Beauvois*.

§ *viridis*, P. de B. *Panicum viride*, L. Cultivated grounds, &c July, August.

§ *glauca*, P. de B. *Panicum glaucum*, L. Cultivated grounds, &c July, Aug.

Digitaria, *Haller*.

§ *sanguinalis*, Scop. Cultivated grounds, &c. August, Sept.

§ *globosa*. Sandy fields, &c. Castleton, Colchester, West Haven, and Ferrisburg, *Robbins*. August, Sept.

Paspalum, *L.*

§ *ciliatifolium*, Michx. Dry fields, &c. Bellows Falls, *Carey*. Aug.

Aristida, *L.*

§ *dichotoma*, Michx. Barren fields, &c. Pownal, *Robbins*. Aug.

Calamagrostis, *Roth*. *Arundo*, *L.*

§ *Canadensis*, P. de Beauv. *Arundo Canadensis*, Michx. *Calamagrostis Mexicana*, Nutt. Wet meadows, &c. July.

Anthoxanthum, *L.* Sweet-scented Vernal Grass.

§ *odoratum*, L. Meadows and pastures. Middlebury, *James*. May, June.

Aira, *L.* Hair Grass.

§ *flexuosa*, L. Dry rocky woods June.

§ *caespitosa*, L. *Aira aristulata*, Torrey. On the moist rocky banks of rivers. On the Connecticut, at Guildhall, *Robbins*. July.

Trisetum, *Pers.*

§ *striatum*, Michx. *T. purpurascens*, Torrey. *Avena striata*, Michx. Rocky woods. Castleton, Georgia, and Woodstock, *Robbins*. May, June.

§ *molle*, Trinius. *Avena mollis*, Michx. On dry limestone rocks, at High Bridge and Winooski falls, Colchester, *Robbins*. June.

Hierochloa, *Gmelin*.

§ *alpina*, Roem. and Sch. On the summit of Mansfield mountain, *Tuckerman* and *Macrae*. July.

Arundo, *L.* Reed Grass.

§ *Phragmites*, L. In water on the borders of ponds, &c. In lake Memphremagog, *Robbins*. Aug.

Danthonia, *DC.*

§ *spicata*, P. de B. Dry barren woods, pastures, &c. June, July.

Festuca, *L.* Fescue Grass.

§ *duriuscula*, L. Dry pastures, &c. June.

§ *tenella*, Willd. Dry sandy fields, &c. Bellows Falls, *Carey*. June, July.

§ *elatior*, L. Grass fields, &c. Middlebury, *James*. June.

§ *pratensis*, Huds. Grass fields, &c. Bellows Falls, *Carey*. June, July.

Glyceria, *R. Brown*.

§ *fluitans*, R. Br. Stagnant water, Burlington, *Carey*. June.

Poa, *L.* Meadow Grass.

§ *annua*, L. Cultivated grounds, &c. May—Aug.

§ *dentata*, Torrey. Ditches and wet places. July, Aug.

§ *aquatica*, L. Wet meadows, &c. July, Aug.

§ *pratensis*, L. Grass fields, roadsides, &c. June, July.

§ *compressa*, L. Sandy fields, and in woods, &c. June.

§ *serotina*, Ehrh. Wet meadows: July.

§ *nemorialis*, L. Woods. May, June.

§ *nervata*, Willd. Wet meadows. June, July.

§ *obtusata*, Muhl. Wet meadows, &c. Bellows Falls, *Carey*. Aug.

§ *Torreyana*, Sprengel. *P. elongata*, Torr. not of Willd. Woods. At the base of Mansfield mountain, *Robbins*. Morgan, near the line of Charleston, *Carey*. Burlington, *Macrae*. July.

§ *Canadensis*, Torr. *Briza Can.*, Michx. Wet meadows and swamps. July.

§ *hirsuta*, Michx. Sandy and gravelly beach of Connecticut river, at Bellows Falls, *Carey*.

§ *alpina*, L. Summit of Mansfield mountain, *Robbins*. July.

§ *repens*, Michx. Wet sandy shores of rivers and lakes. On the banks of the Otter Creek, Ferrisburgh, and of the Winooski, Colchester, *Robbins*. July, Aug.

Tricuspis, *P. de Beauv.*

§ *sesterioides*, Torr. *Poa quinquefida*, Pursh. Sandy soil Middlebury, *James*. Aug.

Dactylis, *L.* Orchard Grass.

§ *glomerata*, L. Grass fields, &c. Bellows Falls, *Carey*. June.

- Bromus*, *L.* *Brome Grass*.
 § *secalinus*, *L.* *Chess or Cheat*. Cultivated grounds. July.
ciliatus, *L.* Woods, &c. July.
purgans, *L.* Woods, shady banks, &c. Castleton and Brattleboro', *Robbins*.
Secale, *L.* *Rye*.
 § *cereale*, *L.* Old fields and on rocks, &c. June.
Elymus, *L.* *Lyme Grass*.
Canadensis, *L.* and *var. glaucifolius*. Rocky river banks, &c. July, Aug.
striatus, *Willd.* *E. villosus*, Torrey, Flora. Dry rocky banks, &c. Middlebury, James. July, Aug.
Hystrix, *L.* Rocky woods. Middlebury, James. West Haven, *Robbins*.
Triticum, *L.* *Wheat*.
 § *repens*, *L.* *Couch Grass*. "Witch Grass." Cultivated grounds, &c. June, July.
Spartina, *L.* *Cord Grass*.
cynosuroides, *Willd.* Banks of rivers, &c. Bellows Falls, *Carey*. Aug.
Andropogon, *L.* *Beard Grass*.
 scoparius, *Michx.* Dry fields, &c. Pownal, *Robbins*. Bellows Falls, *Carey*.
 Burlington, *Macrae*. August, Sept.
furcatus, *Muhl.* Dry rocks and fields. Colchester, *Robbins*. Bellows Falls, *Carey*. Aug. Sept.
nutans, *L.* Dry fields, &c. Pownal and Brattleboro', *Robbins*. Bellows Falls, *Carey*. Burlington, *Macrae*. Aug. Sept.
Leersia, *Solander*.
Virginica, *Willd.* Wet woods, &c. Aug.
oryzoides, *Swartz.* Ditches, &c. Aug. Sept.
Zizania, *L.* *Wild rice*.
aquatica, *Lambert.* In shallow water in rivers and lakes. Burlington and S. Hero, *Robbins*. Aug.

CLASS IV. ACROGENS.

ORDER EQUISETACEÆ. *The Horsetail Tribe.*

- Equisetum*, *Tourn.* *Horsetail*.
limosum, *L.* Bogs, borders of ponds, &c. June.
sylvaticum, *L.* Moist woods and shady banks. May.
hyemale, *L.* Wet woods and banks. June.
variegatum, *Schleich.* Interstices of rocks on the shores of the Connecticut river, near low water mark, Bellows Falls, *Carey*.
scirpoides, *Michx.* Moist woods and banks. June.
arvense, *L.* Moist fields, pastures, &c.

ORDER FILICES. *The Fern Tribe.*

- Polypodium*, *L.*
vulgare, *L.* Shady rocks, &c.
Dryopteris, *L.* Woods and swamps.
Phegopteris, *L.* Woods and shady banks.
var. connectile. *P. connectile*, *Michx.*
var. hexagonopterum. *P. hexagonopterum*, *Michx.*
Aspidium, *Swartz.* *Shield Fern*.
acrostichoides, *Swartz.* Rocky woods, &c.
Goldianum, *Hooker.* Woods. In Orleans county, *Carey*.
Thelypteris, *Swartz.* *A. novboracense*, *Willd.* Moist woods.
cristatum, *Sw.* *A. Lancasteriense*, *Sw.* Moist woods near Burlington, *Macrae*.
marginale, *Sw.* Rocky woods.
dilatatum, *Sw.* Woods.
aculeatum, *Sw.* Woods about the "Notch" at the north base of Mansfield mountain. *Macrae* and *Tuckerman*.
Cistopteris, *Bernhardi*.
fragilis, *Bernh.* *Aspidium tenue*, *Sw.* Moist rocks, &c.
bulbifera, *Bernh.* *Aspid. bulb.* *Willd.* Shady rocks, generally on limestone.
Dicksonia, *L'Heritier*.
pilosiuscula, *Willd.* Moist pastures, shady woods, &c.
Woodsia, *R. Brown.*
lvensis, *R. Br.* On rocks. Fairhaven, &c., *Robbins*. On the summit of Mansfield mountain, *Tuckerman* and *Macrae*.

- obtusa*, Torr. *Aspid. obtusum*, Swartz. *W. Perriniana*, Hooker and Greville.
Rocks. Bellows Falls, Carey.
- Asplenium*, L. *Spleenwort*.
rhizophyllum, L. Shady limestone rocks.
angustifolium, Michx. Woods. Middlebury, James.
ebenum, Ait. Rocky ledges.
Trichomanes, L. Steep rocky ledges.
thelypteroides, Michx. Woods and shady banks. Bellows Falls, Carey. In Colchester, on the eastern side of High Bridge, Oakes. Ludlow, Washburn.
Ruta muraria, L. *Wall-rue Spleenwort*. In the crevices of limestone rocks, facing the woollen factory at Winooski falls, near Burlington, Robbins and Macrae. At the place of the former bridge, near High Bridge, Colchester, also at Pownal and West Haven, Robbins.
Filix-femina, Bernh. *Aspidium Filix-femina*, Sw. *Aspidium asplenioides*, Sw. *A. angustum*, Willd. Woods.
- Woodwardia*, Smith.
Virginica, Sw. Bogs. At Colchester pond, Robbins.
- Pteris*, L. *Brake*.
aquilina, L. *Common Brake*. Dry woods, &c.
atropurpurea, L. Crevices of limestone rocks. Near High Bridge and at Winooski falls, and at Pownal and West Haven, Robbins.
gracilis, Michx. On rocks overhanging the "Devil's Den," Burlington, Macrae.
- Adiantum*, Toura. *Maidenhair*.
pedatum, L. Woods.
- Struthiopteris*, Willd.
Germanica, Willd. *S. Pennsylvanica*, Willd. Woods, and low grounds.
- Onoclea*, L.
sensibilis, L. Moist woods and banks.
- Ophioglossum*, L. *Adders' Tongue*.
vulgatum, L. Bellows Falls, Carey. Burlington, Macrae.
- Osmunda*, L. *Flowering Fern*.
Claytoniana, L. *O. interrupta*, Michx. Moist grounds, &c.
cinnamomea, L. Moist grounds, &c.
regalis, L. *O. spectabilis*, Willd. Moist grounds, &c.
- Botrychium*, Swartz. *Moonwort*.
fumorioides, Willd. Pastures, &c.
rar. dissectum, Oakes. *B. dissectum*, Muhl. Rockingham, Carey.
Virginianum, Sw. *B. gracile*, Michx. Woods.
simplex, Hitchcock. At Sutton, near the village, on the road leading to Burke, Carey.

ORDER LYCOPODIACEÆ. The Club-Moss Tribe.

- * *Lycopodium*, L. *Club-Moss*. *Winter-green*.
clavatum, L. Dry woods.
complanatum, L. Woods.
obscurum, L. *L. dendroideum*, Michx. Ground Pine. Woods.
annottinum, L. Woods, especially near the mountains.
rupestre, L. On dry rocks. Georgia, Robbins. Fair Haven, Chandler.
Selago, L. Summits of Mansfield and Camel's Hump mountains, Robbins, Tuckerman and Macrae.
lucidulum, Michx. Woods.

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Ci-uta,	13	Geum,	11	Mimulus,	22	Ranunculus,	5	Utricularia,	22
Cimicifuga,	6	Glyceria,	33	Mitchella,	15	Raphanus,	7	Uvularia,	29
Cinua,	32	Gnaphalium,	17	Mitella,	13	Rhamnus,	10	Vaccinium,	18
Circea,	13	Goodyera,	28	Mollugo,	8	Rhododendron,	18	Valeriana,	15
Cirsium,	17	Gratiola,	22	Monarda,	20	Rhus,	10	Valisneria,	27
Cistopteris,	34	Hamamelis,	13	Monotropa,	19	Rhyachopora,	31	Veratrum,	28
Claytonia,	9	Hedeoma,	21	Morus,	24	Ribes,	13	Verhacum,	21
Clematis,	5	Helianthemum,	8	Myr ophyllum,	13	Rosa,	12	Verhena,	22
Cochlearia,	7	Helianthus,	16	Najas,	30	Rubus,	12	Vernonia,	15
Collinsonia,	21	Hepatica,	5	Naidosmia,	15	Rudbeckia,	16	Vernonia,	21
Comandra,	24	Heracleum,	14	Nasturtium,	7	Rumex,	23	Viburnum,	14
Comarum,	12	Hieracium,	17	Nemopantes,	19	Sagittaria,	29	Vicia,	10
Comptonia,	26	Hierochlon,	33	Nepeta,	21	Salix,	25	Viola,	8
Conioselinum,	14	Houstonia,	15	Nuphar,	6	Sambucus,	14	Vitis,	10
Conium,	14	Humulus,	24	Nymphæa,	6	Samolus,	23	Waldsteinia,	11
Convallaria,	29	Hydrocotyle,	13	Nyssa,	24	Sanguinaria,	6	Woodia,	34
Convolvulus,	29	Hydrophyllum,	20	Cenothera,	12	Sonchella,	13	Woodwardia,	35
Coptis,	6	Hyoscyamus,	21	Onopordon,	17	Sarracenia,	6	Xanthium,	16
Cornalothiza,	27	Hypericum,	8	Onoclea,	35	Saxifraga,	13	Xanthoxylum,	9
Cornus,	14	Hypophitys,	19	Ophioglossum,	35	Scheuchzeria,	30	Zannichellia,	30
Corydalis,	7	Impatiens,	9	Orchis,	9	Schollera,	28	Zizania,	34
Corylus,	25	Inula,	16	Orbanche,	22	Scirpus,	30	Zizia,	13
Craægus,	12	Iris,	27	Oryzopsis,	32	Scrophularia,	22		
Cryptoxenia,	13	Isoplepis,	31	Osmorhiza,	14	Scutellaria,	21	Total,	393

*, Having been obliged, contrary to expectation, to work off the preceding Catalogue without awaiting the return of the proof sheets from the author, some typographical errors, &c., have occurred, for the correction of which see the Errata at the end of the volume

ERRATA.

THE foregoing Catalogue having been printed without proof-sheets from the author, many typographical errors have occurred. Several additions of species and localities were made to the manuscript, by Mr. Macrae, at Burlington, which also have required revision. The following list, probably, contains all the errors of much importance.

Page 2. Erase *Equisetum variegatum* and Golden *Corydalis*.

3. For *Eragrostis* read *Eriogrostis*; for *Polanisia* read *Polemisia*.

5. Line 27th from bottom, for page 18, read page 182. Line 15th, for Mallet's read Eagle.

7. For *Dentaria laciniata* read *D. laciniata*. For *laevigata* read *lavigata*.

9. For Spring, read Sprengel. For *Cerastium vulgatum* read *C. viscosum*. for *Xanthoxylum traxineum* read *X. fraxineum*. Erase the sentence in parenthesis 3d and 4th line from top, and *Geranium dissectum*, &c.

11. Line 21, for *Robinsii* read *Robinsonii*. Line 31, for *espedeza* read *Lespedeza*.

13. Line 2, for *Circæa* read *Circæa*. Erase *Ribes floridum*.

14. Line 4th, erase Burlington, Macrae.

25. Line 25, erase L. after *Nardosmis*, Cass; also *A pubescens* var. &c.

17. Line 38, for *Cardus* read *Carduus*. Line 6th from bottom, for E. H. read E. F. Line 4th from bottom for *achenia* read *achenia*.

19. Line 12 from bottom, for *androsæmifolium* read *androsæmifolium*. Erase last line, *Asclepias debilis*, &c.

20. Line 16 from bottom, for *Mentha Piperita* read *M. piperita*.

22. *Orobanchæ Americana*, erase Sharpshin Point, Burlington, Macrae. *Justicia Americana*, insert 'in' before Dr., 'a' in place of 'the' before specimen,—and 'was' before 'seen.'

23, 195, For Order *Phytolacææ* read *Phytolaccææ*.

27. Line 10 from bottom, for *lorenzæ* read *Correana*.

33. Erase *Michx.* after *Tristatum striatum*.

The following species should have the character §, denoting that they have been introduced and

36. Insert '*Thuya 28*' after '*Thaspium*.'

naturalized, inserted before them.

Page 7. *Barbarea vulgaris*.

9. *Agrostemma Githago*; *Portulaca oleracea*.

10. *Sida Abutiloa*; *Vicia sativa*; *Vicia Cracca*.

11. *Melilotus officinalis*.

16. *Inula Helenium*; *Xanthium strumarium*.

17. *Anthemis Cotula*; *Chrysanthemum Leucanthemum*; *Arctium Lappa*; *Leontodon Taraxacum*; *Sonchus oleraceus*. *Amaranthus Blitum*.

Some errors have also occurred in the use of capitals, in punctuation, and in writing the diphthong æ, which are not here particularized.

NOTE to the list of Forest Trees on page 2.—There are several other species of forest trees mentioned in the books as natives of New England; *Pinus Banksiana*, in the extreme north of Maine, *Quercus palustris*, *Quercus ambigua*, &c.

NOTE to *Geranium dissectum*, on page 9.—European specimens have the lobes of the upper leaves a little less divided, and the seeds perhaps more strongly reticulated than our species. It is quite possible that *Geranium Carolinianum* is an American variety, *G. dissectum*. *Geranium Carolinianum* has the seeds distinctly reticulated, but by no means so strongly so as in our Vermont *G. dissectum* and the European plant.